

Fig. 1A

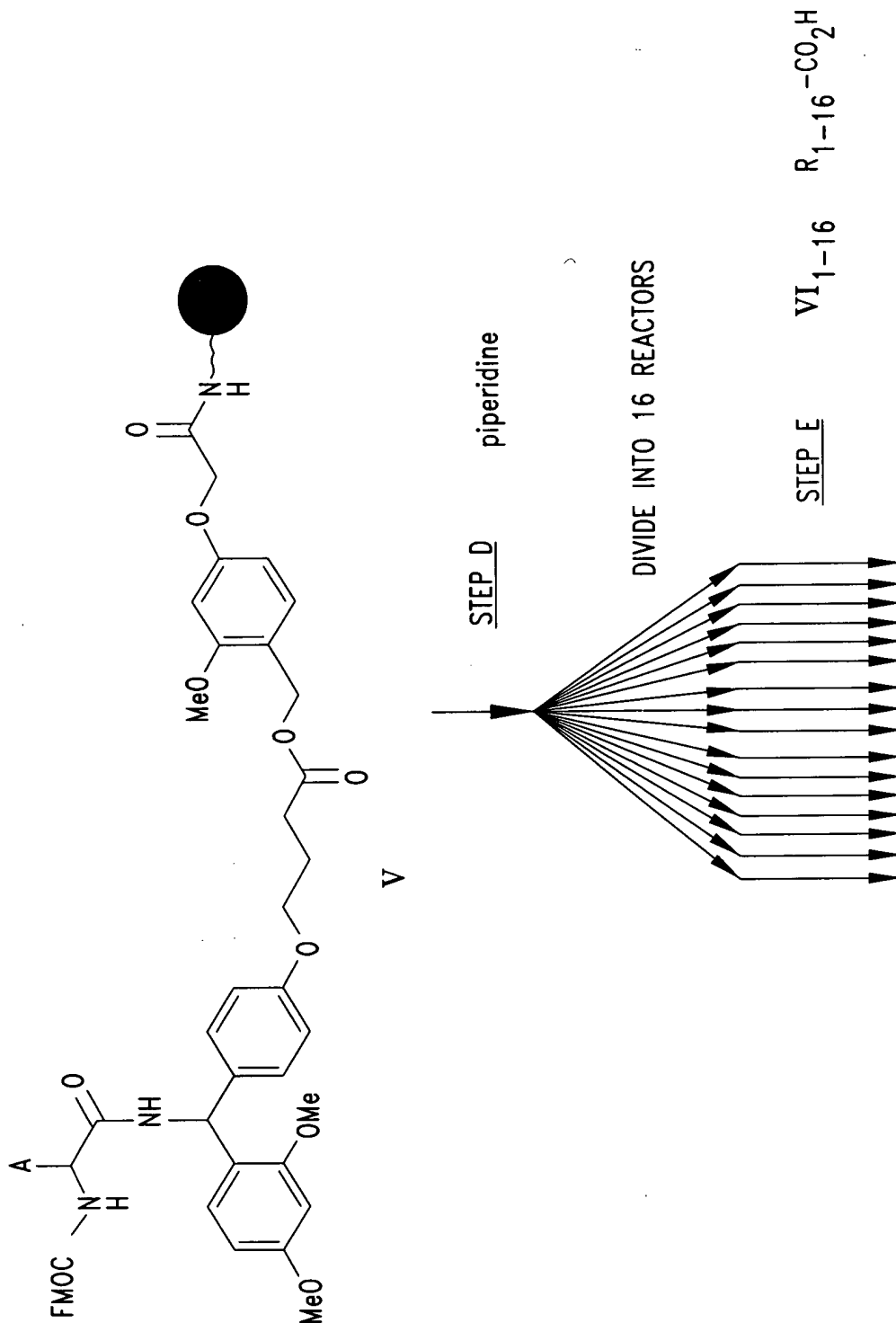
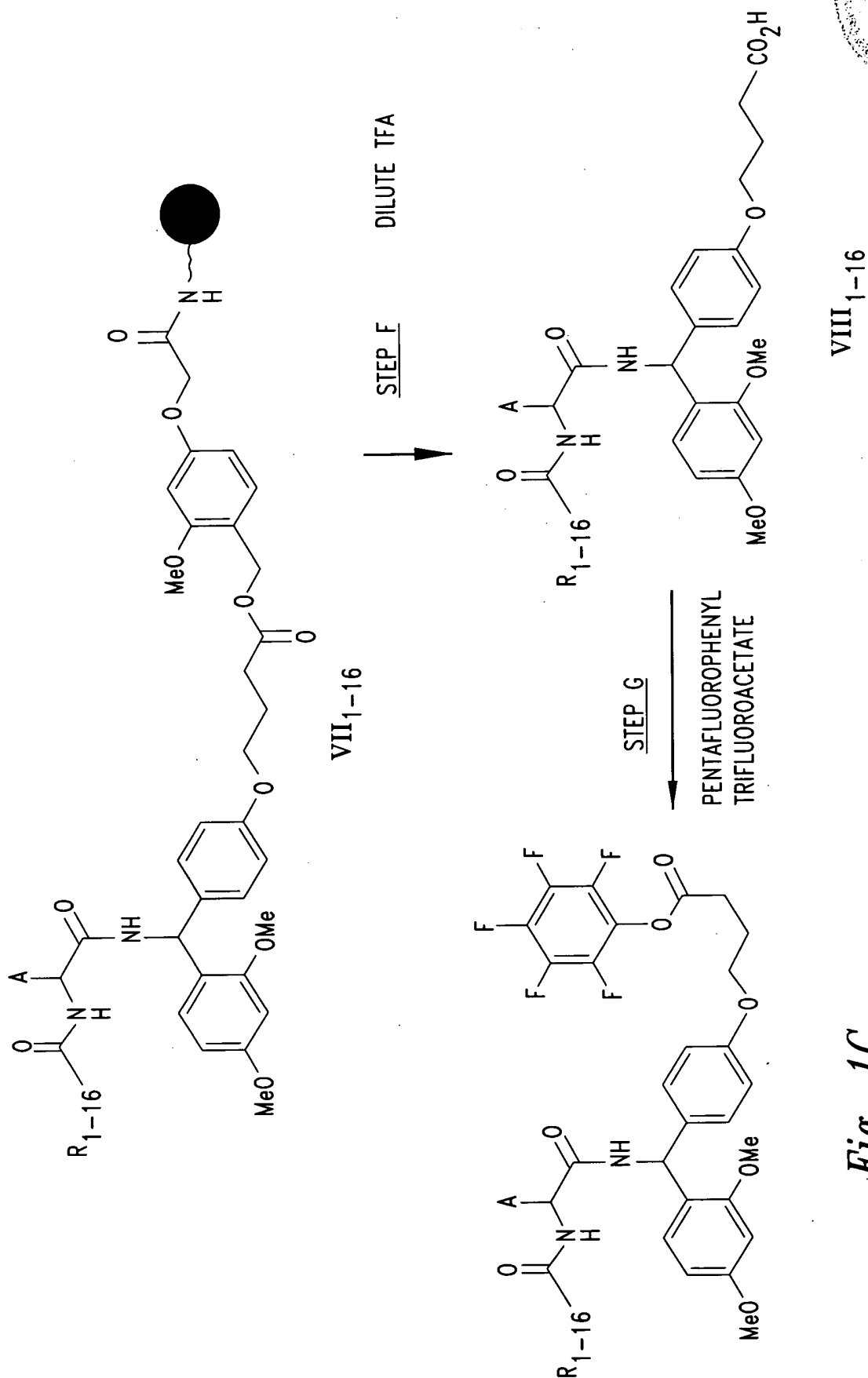


Fig. 1B



**Fig. 1C**

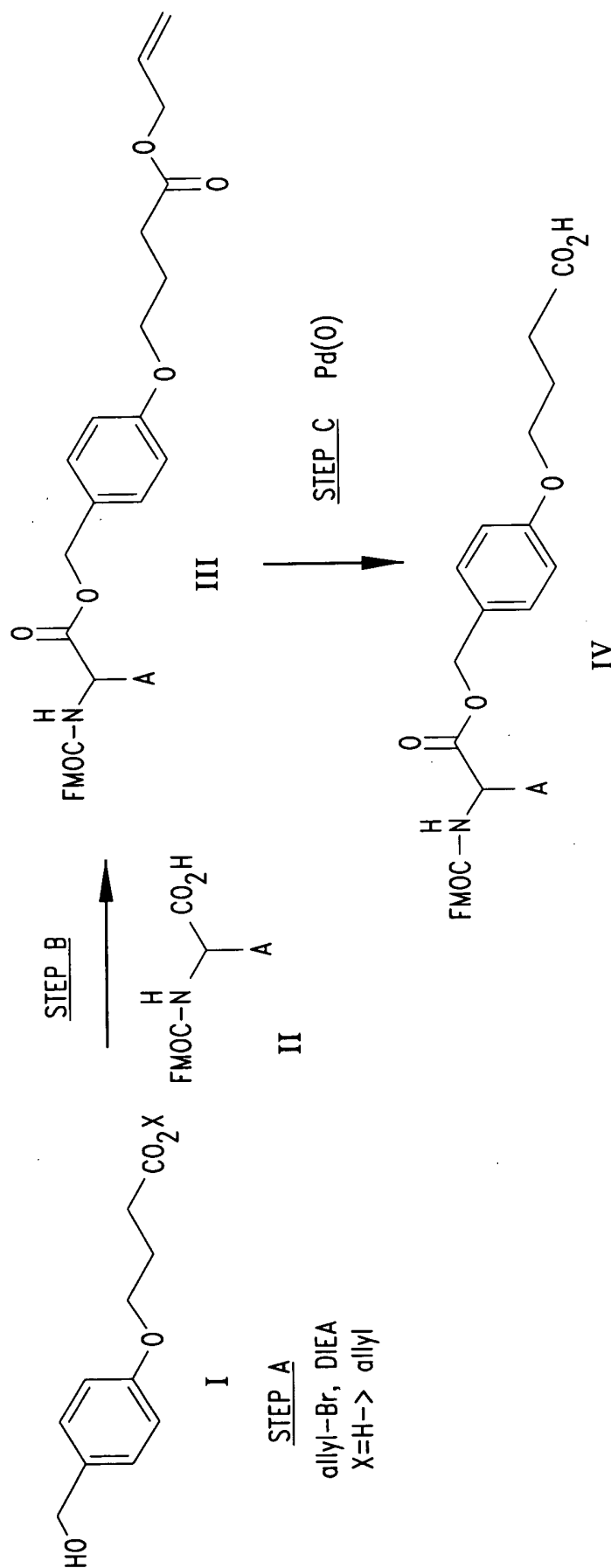


Fig. 2A

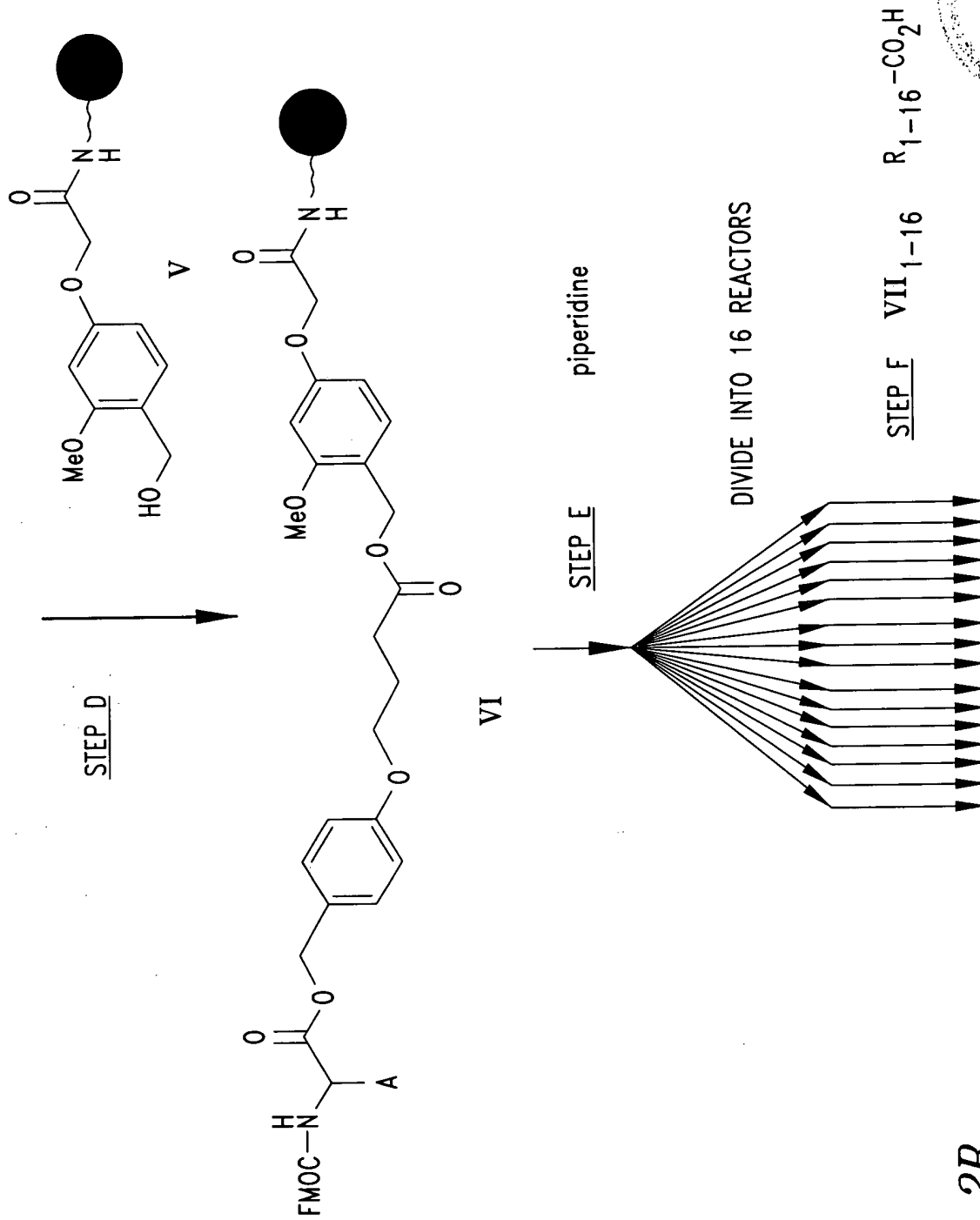


Fig. 2B

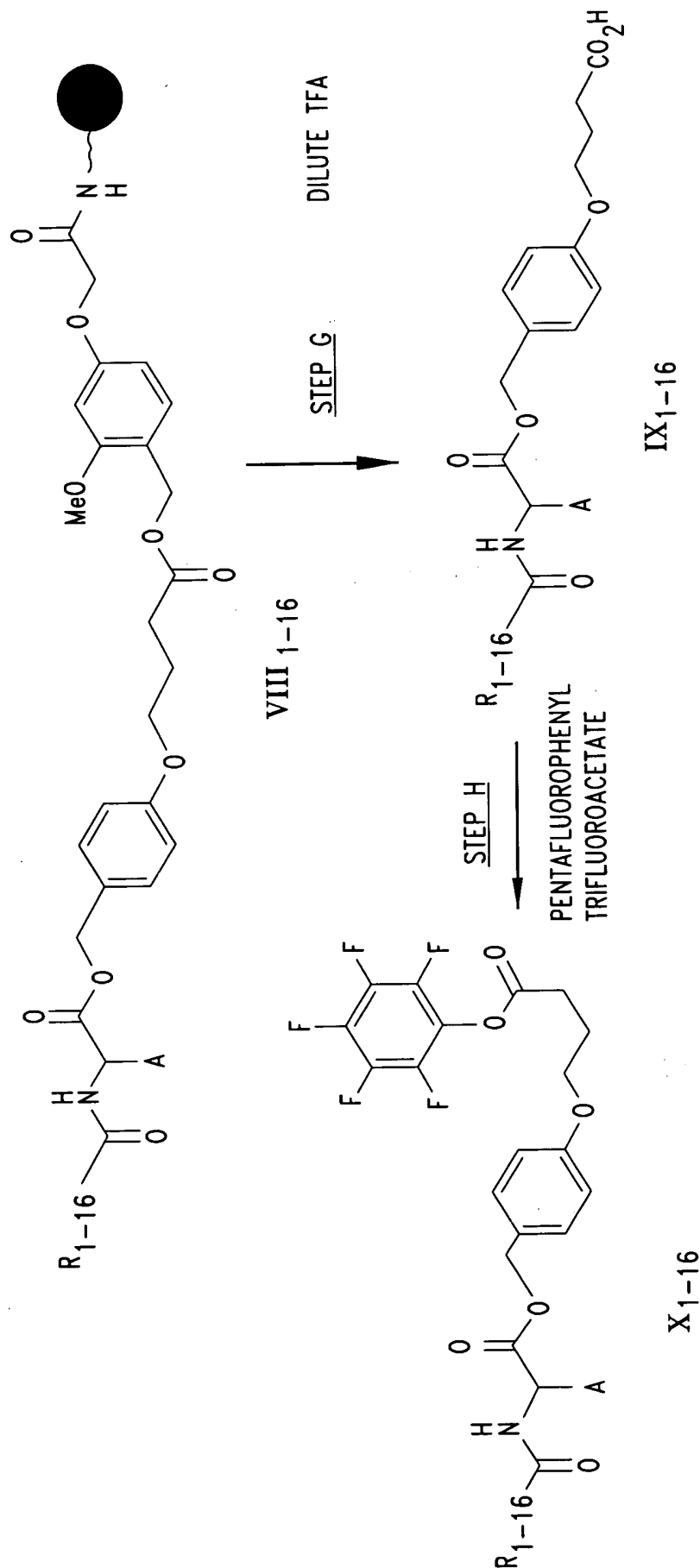


Fig. 2C

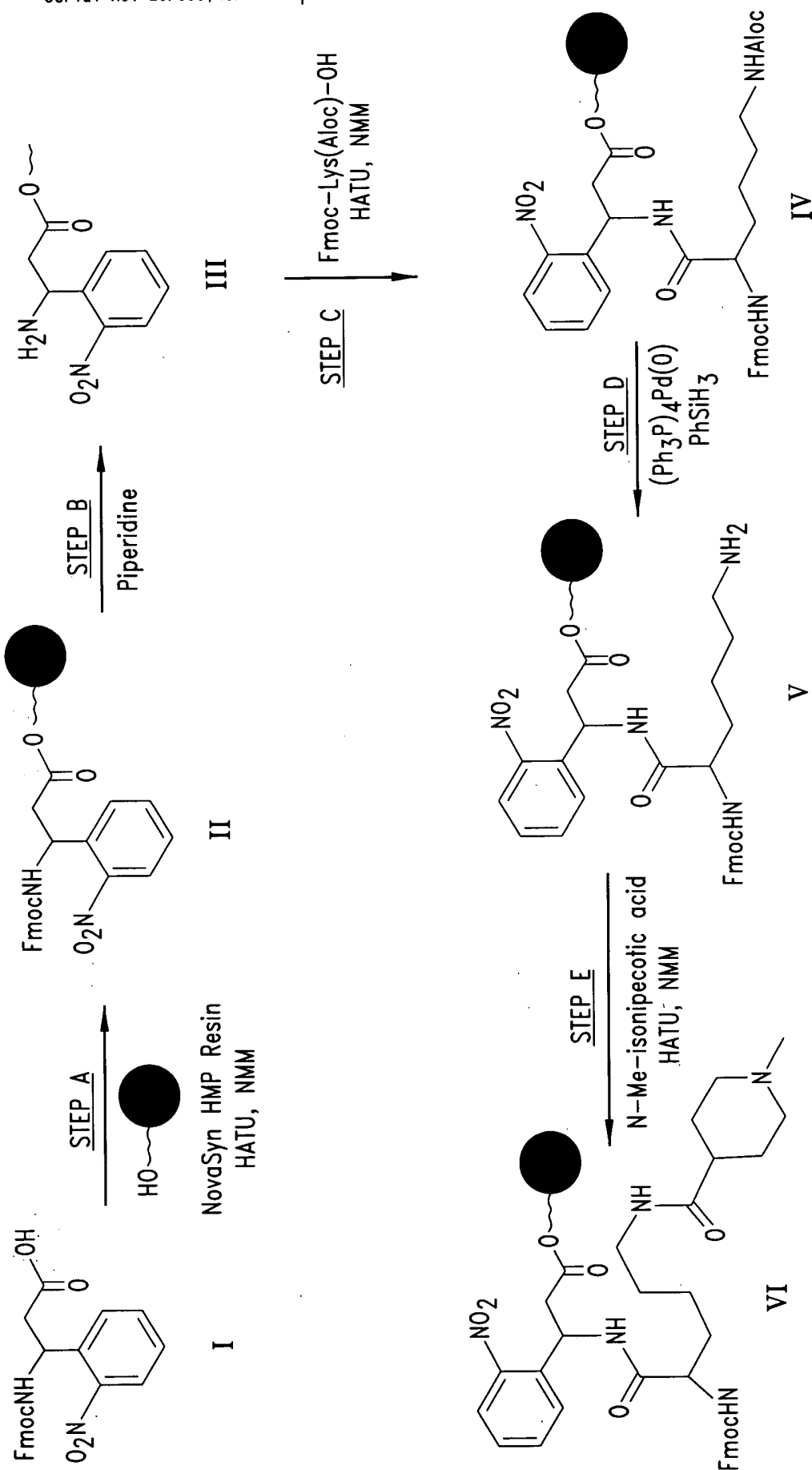


Fig. 3A

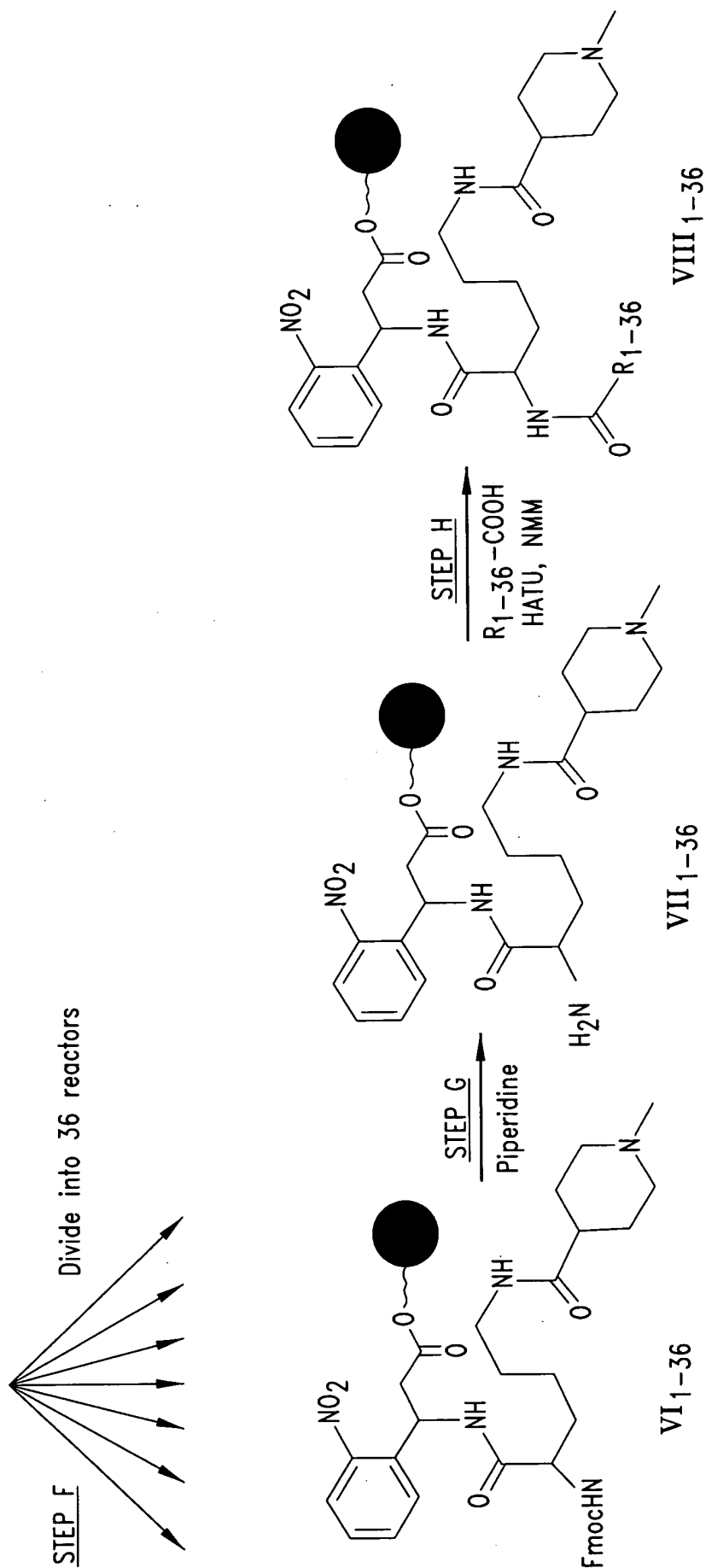


Fig. 3B



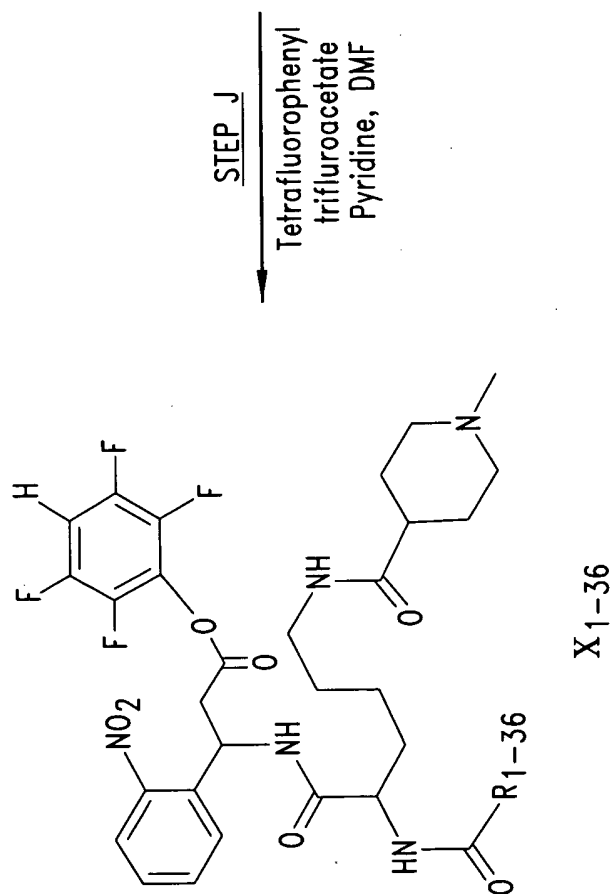
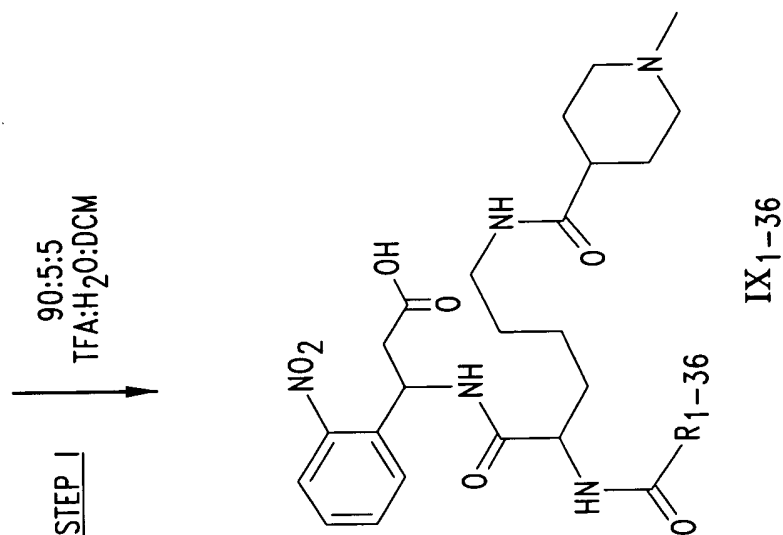
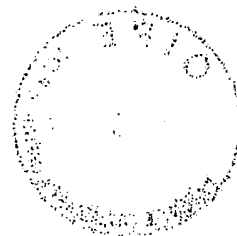


Fig. 3C

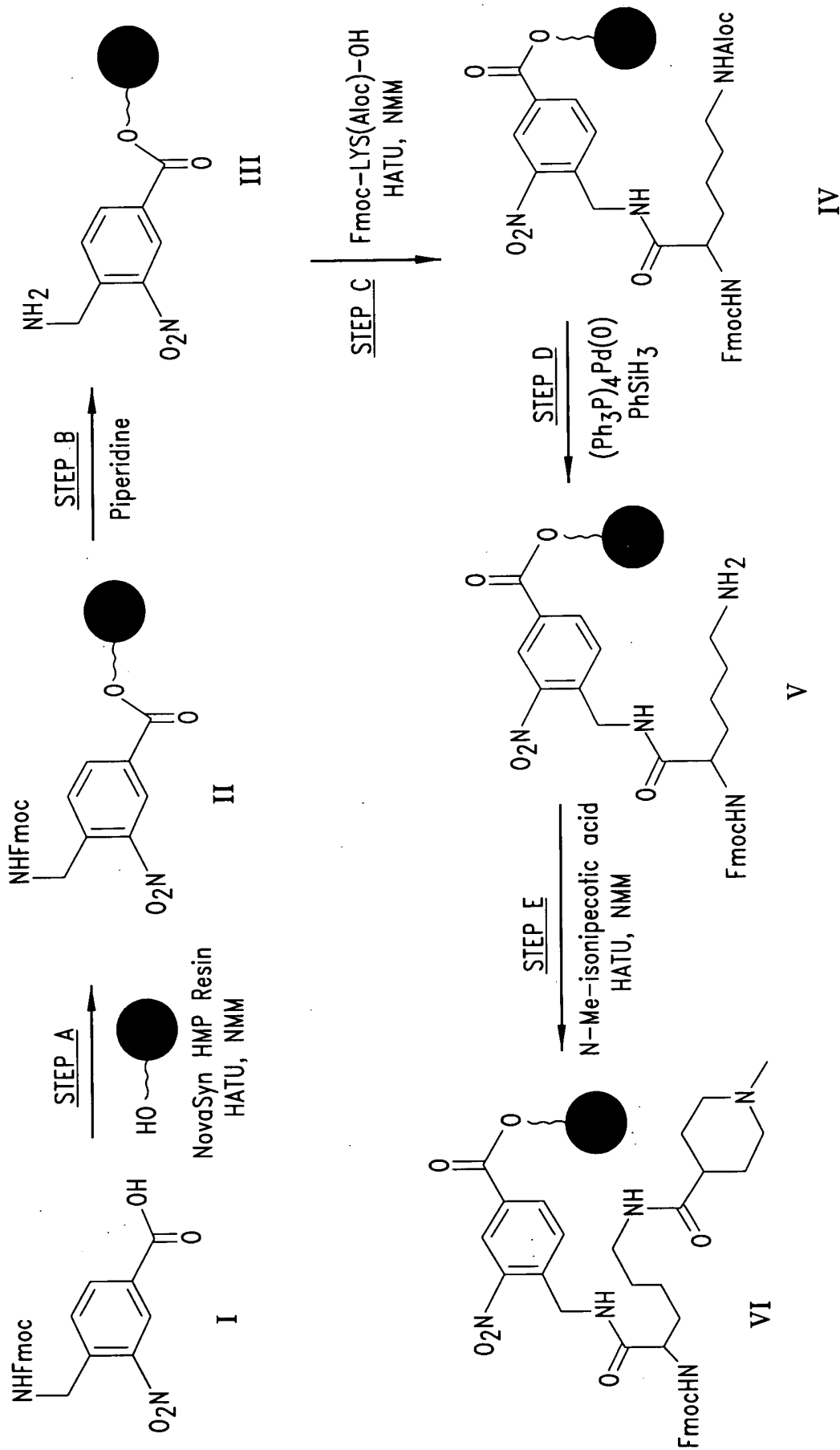
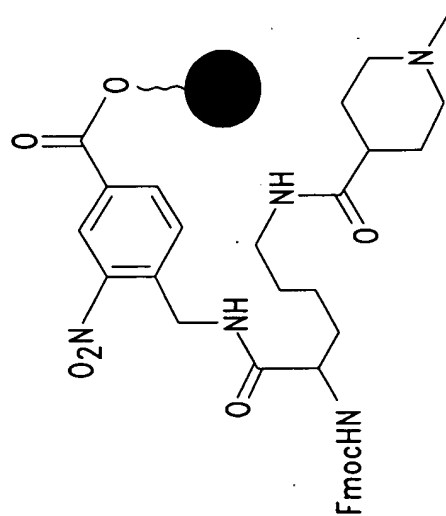
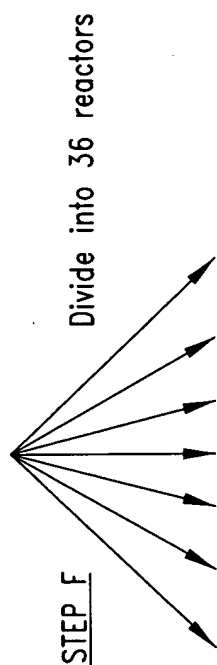
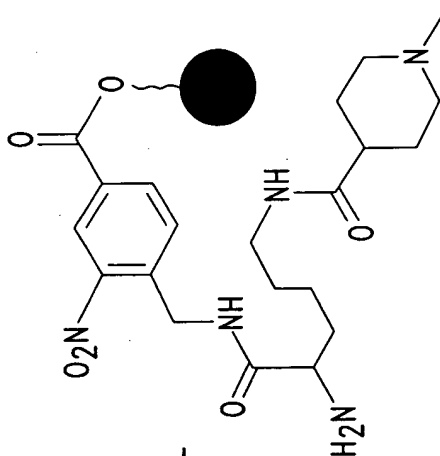


Fig. 4A



STEP G

Piperidine



STEP H

R1-36-COOH

HATU, NMM

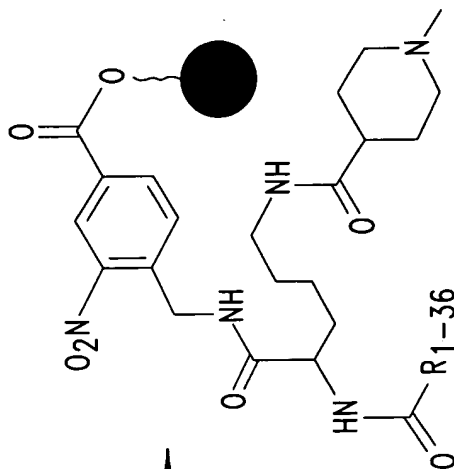


Fig. 4B

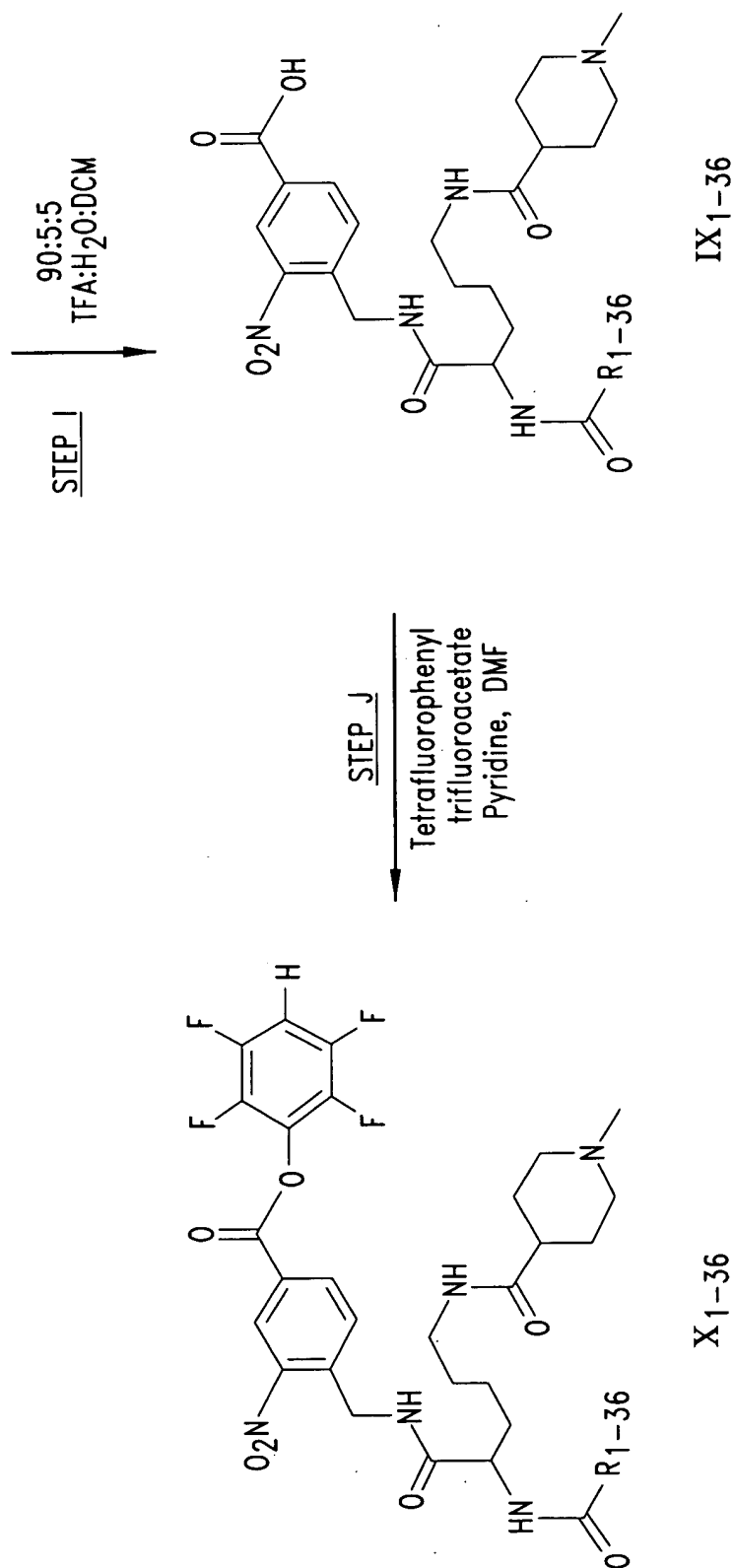


Fig. 4C

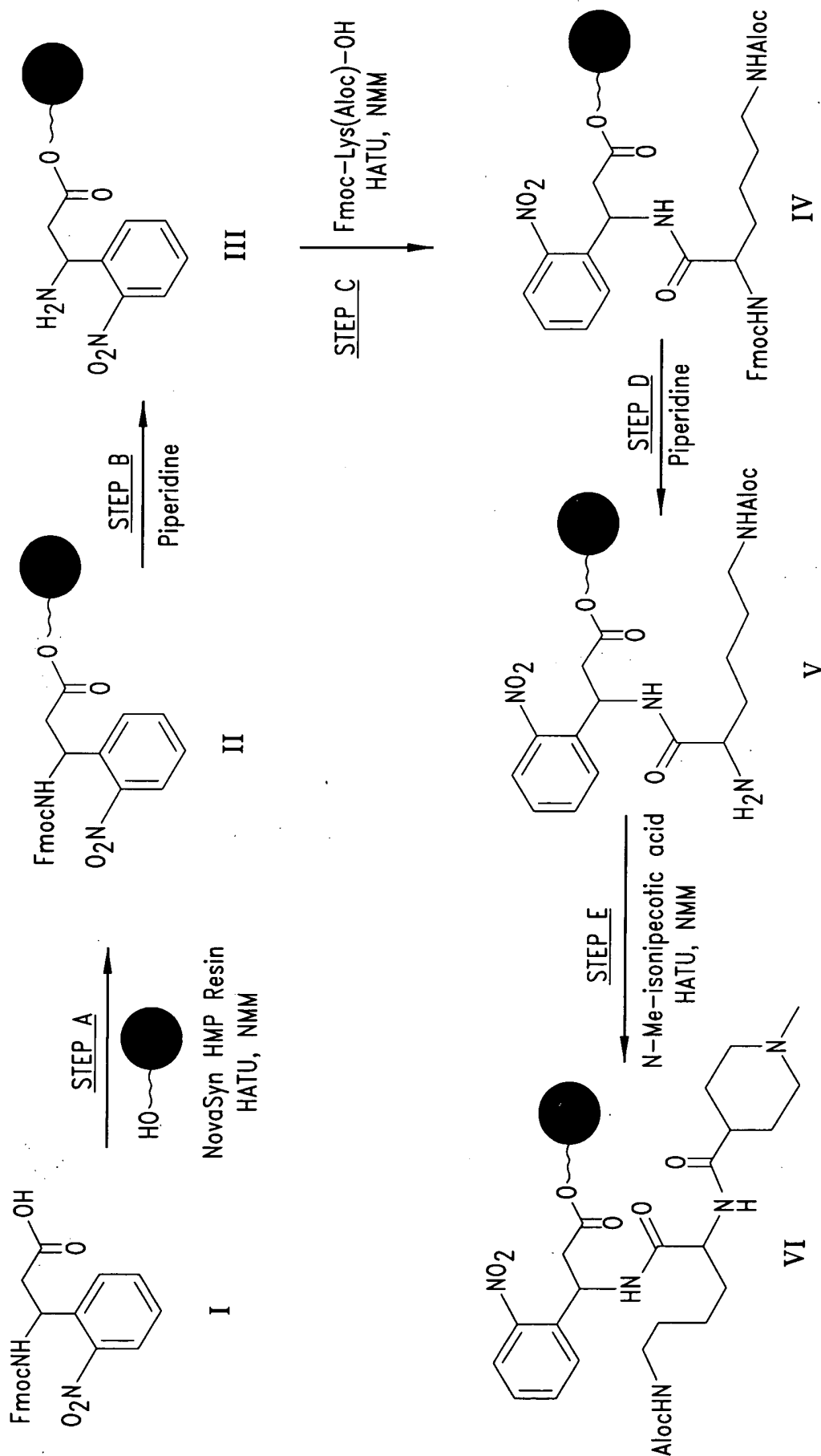


Fig. 5A



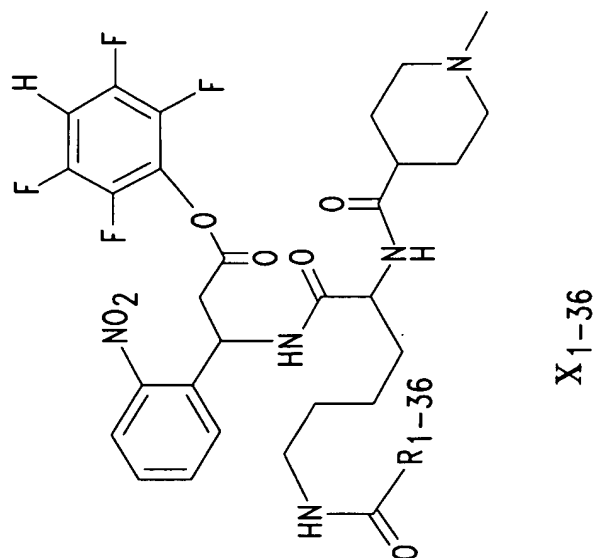
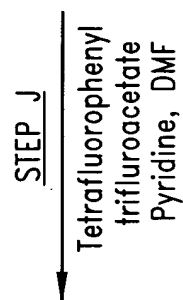
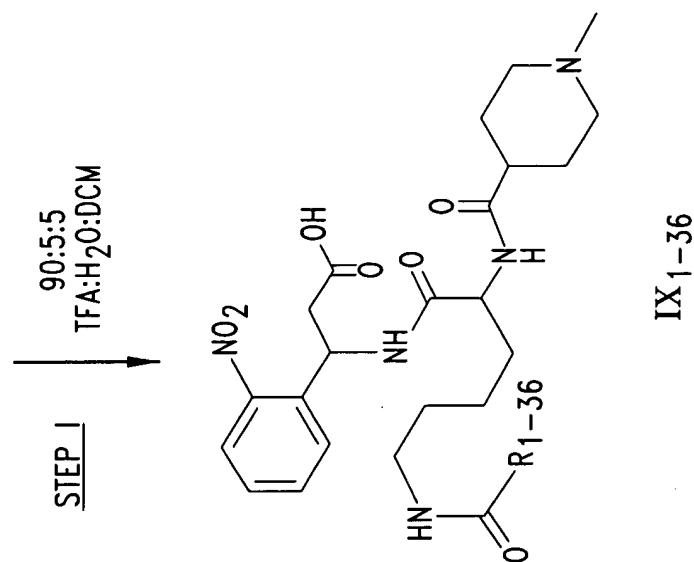


Fig. 5C

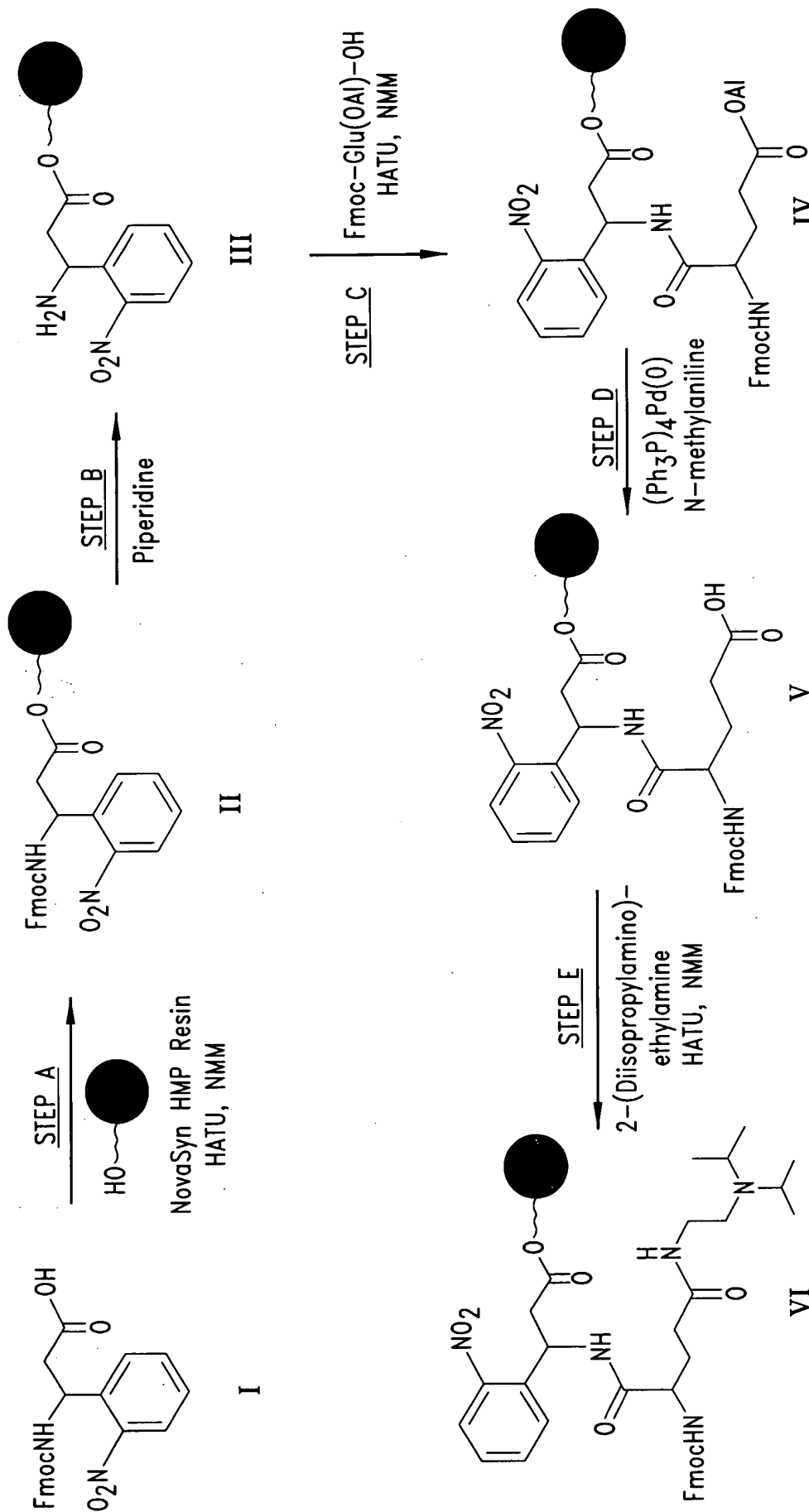
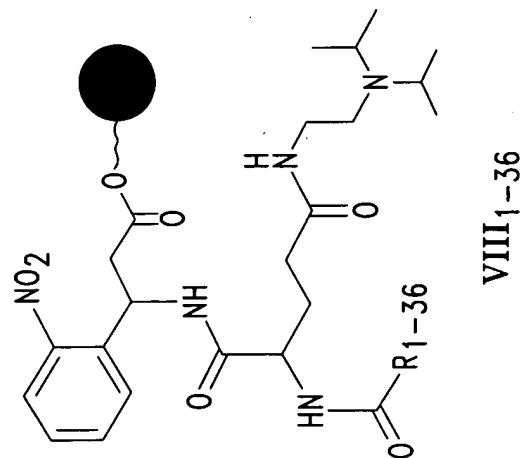
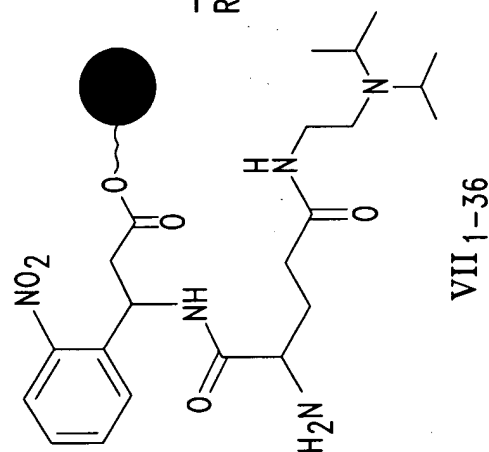
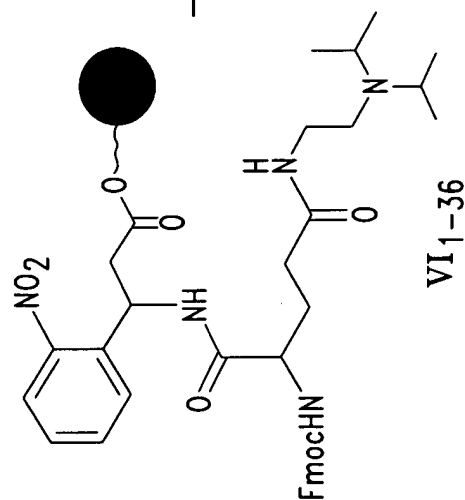
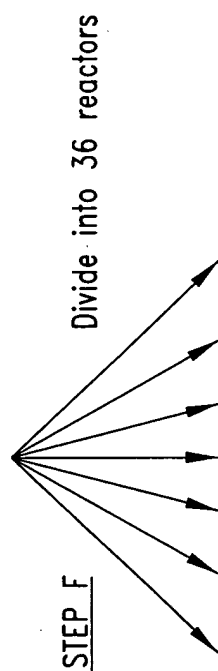


Fig. 6A





STEP G  
Piperidine

STEP H  
R<sub>1-36</sub>-COOH  
HATU, NMM

Fig. 6B

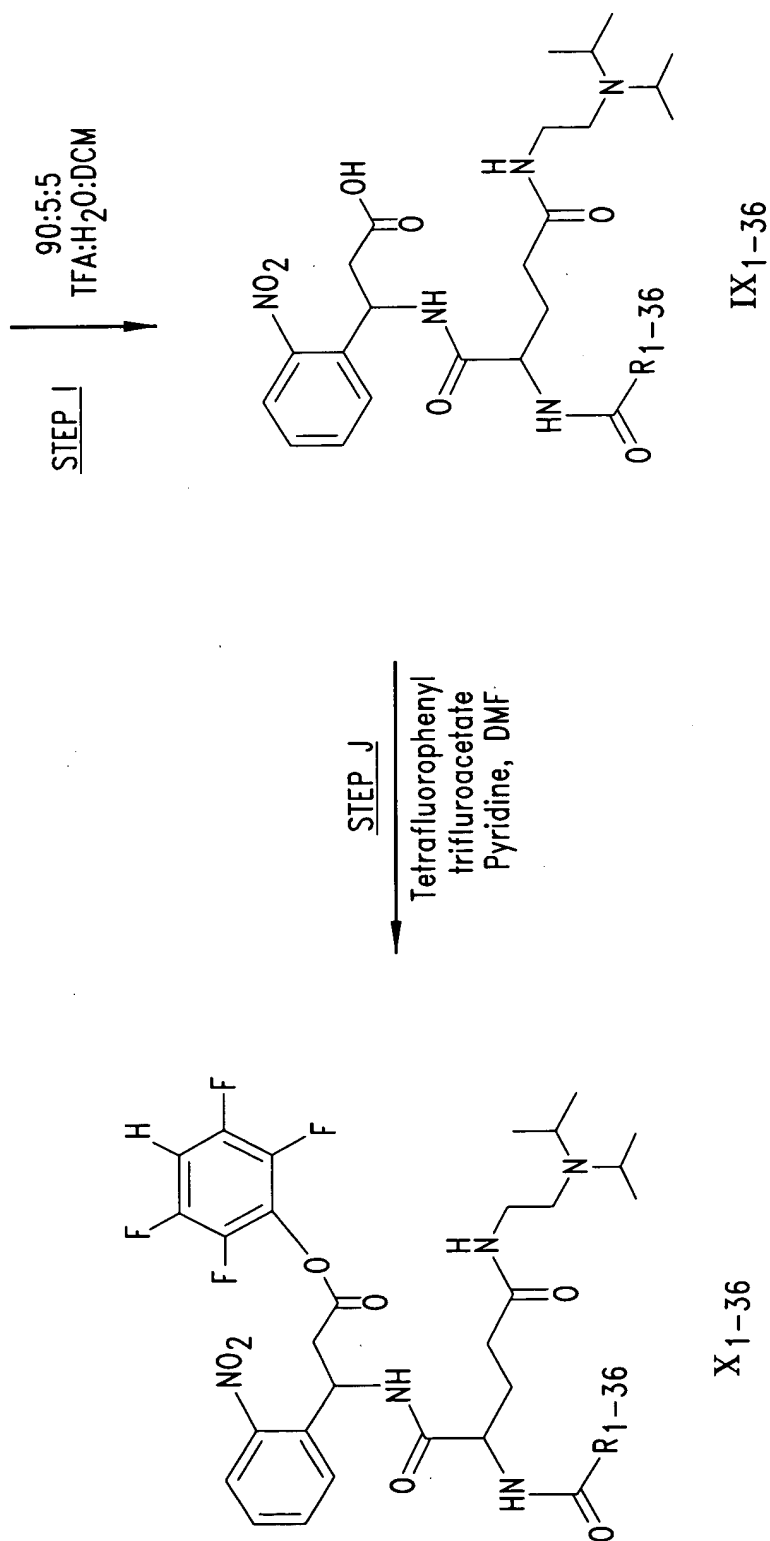


Fig. 6C

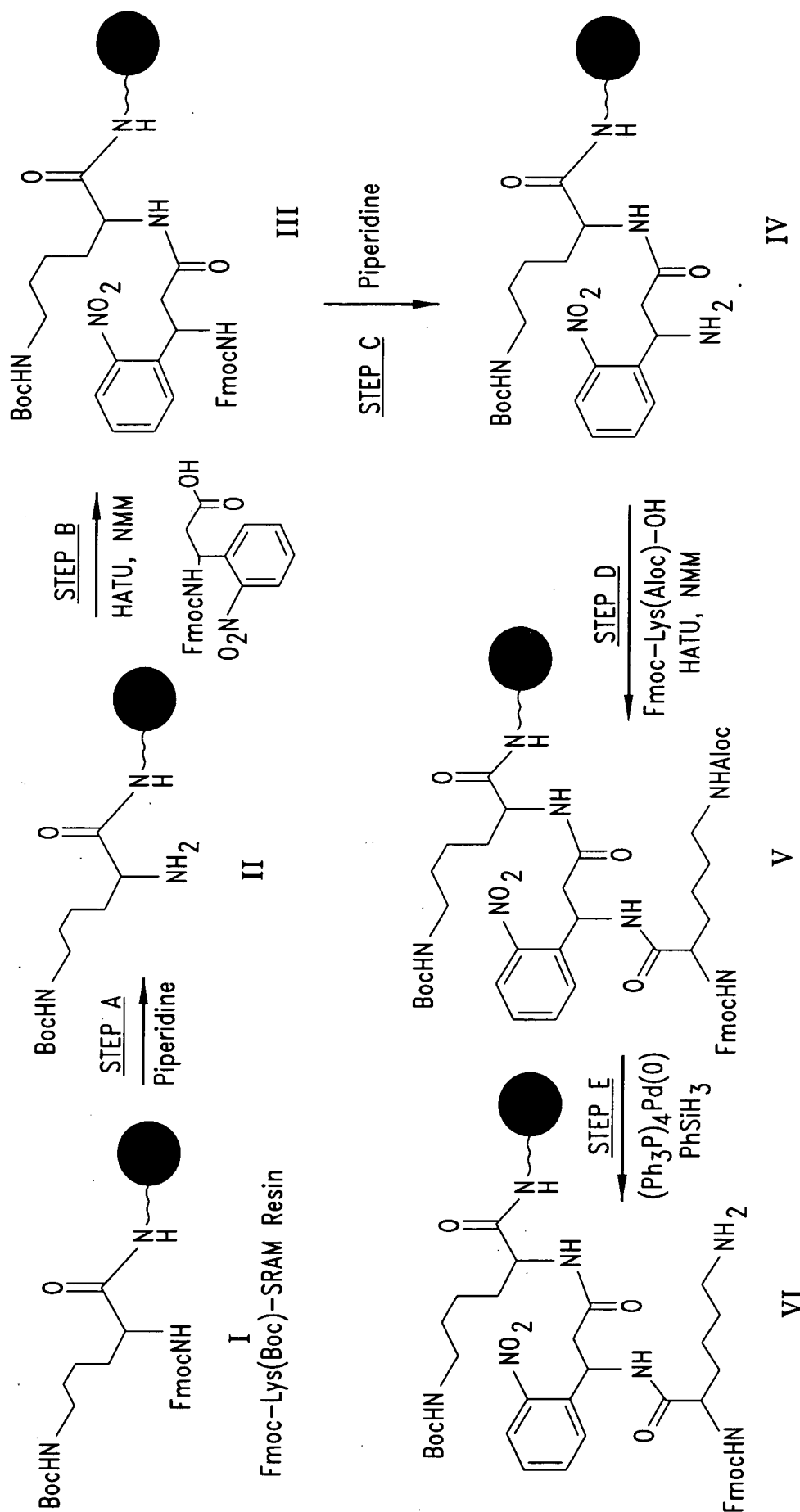
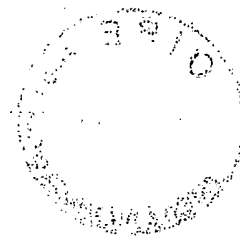
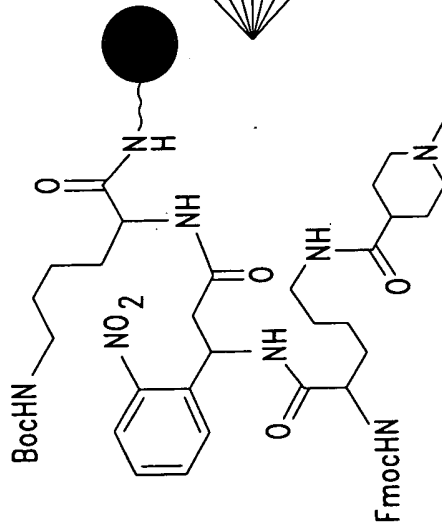


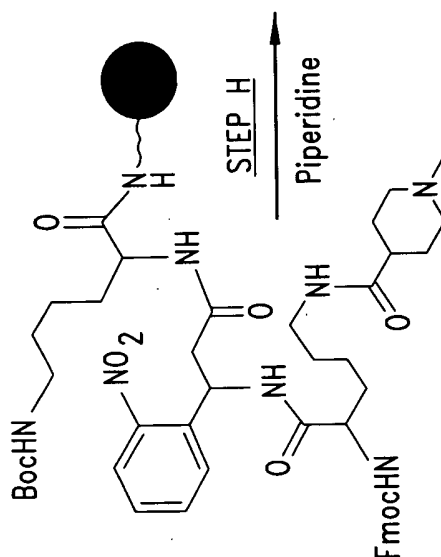
Fig. 7A



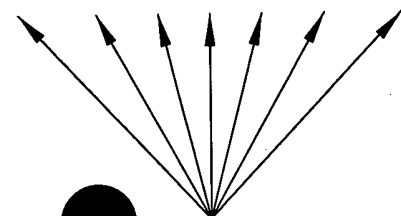
STEP F  
N-Me-isonipicotic acid  
HATU, NMM



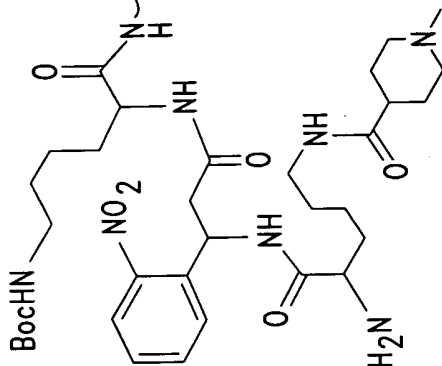
VII



VII 1-36



STEP G  
Divide into  
36 reactors



VIII 1-36

Fig. 7B

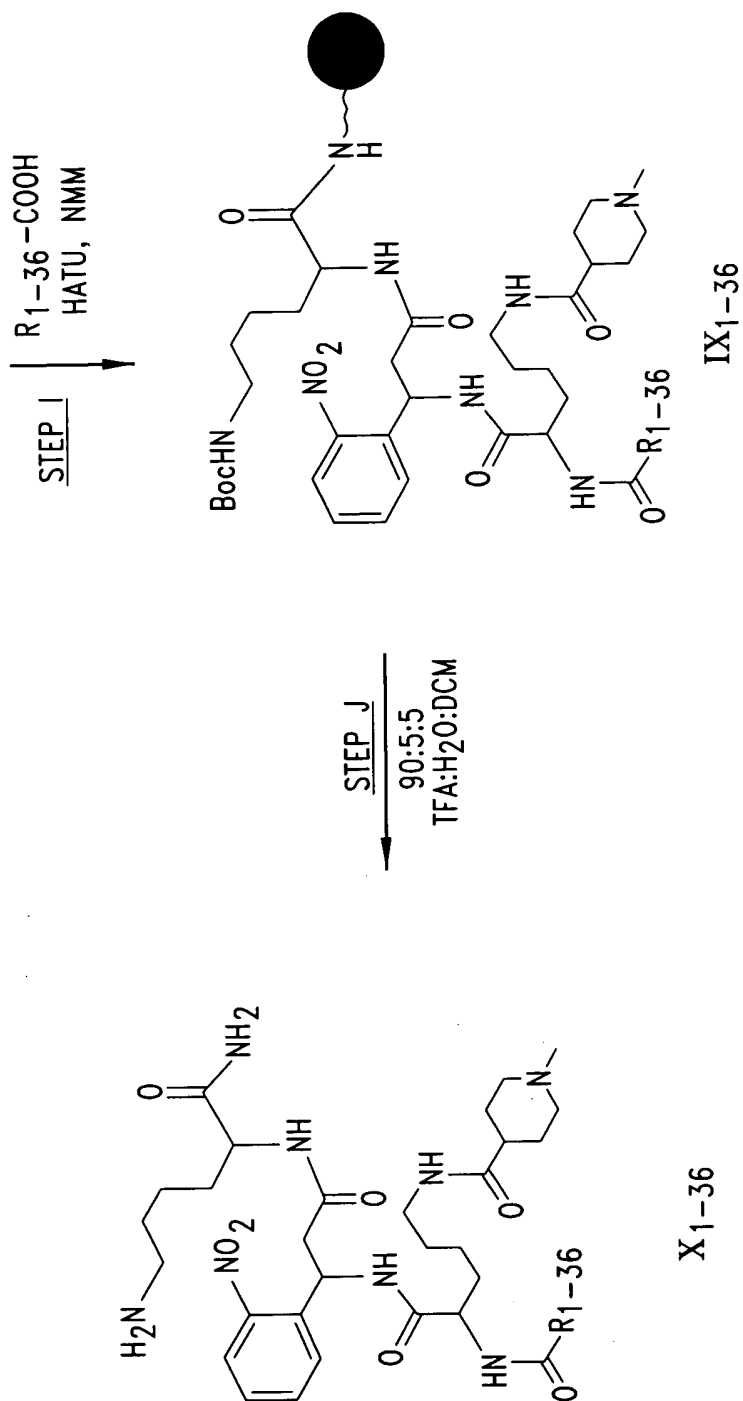
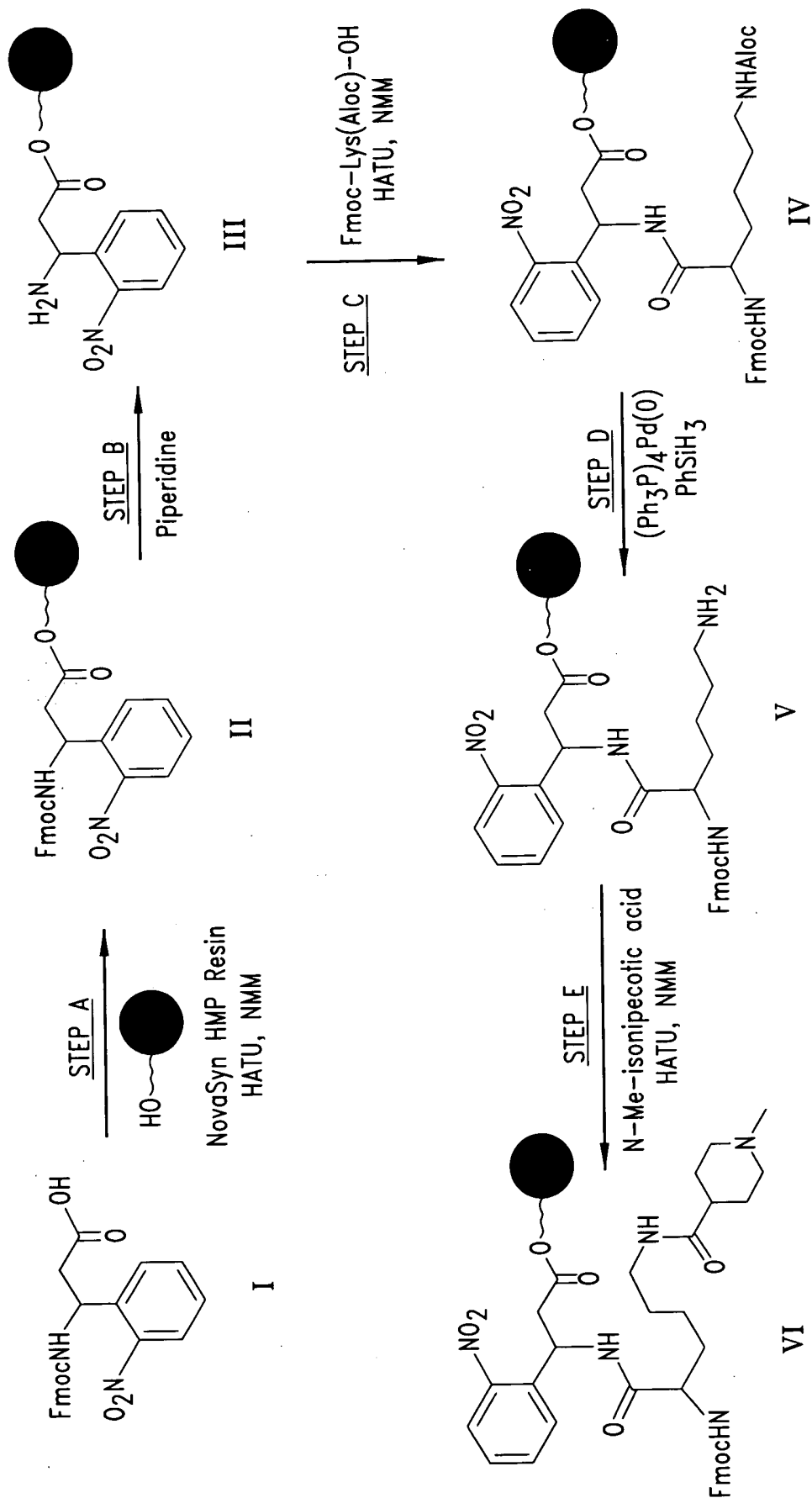


Fig. 7C

Inventor(s): Jeffrey Van Ness et al.

Docket No. 780068.418C3



**Fig. 8A**

10000467.062502

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventor(s): Jeffrey Van Ness et al.

Serial No. 10/000,467

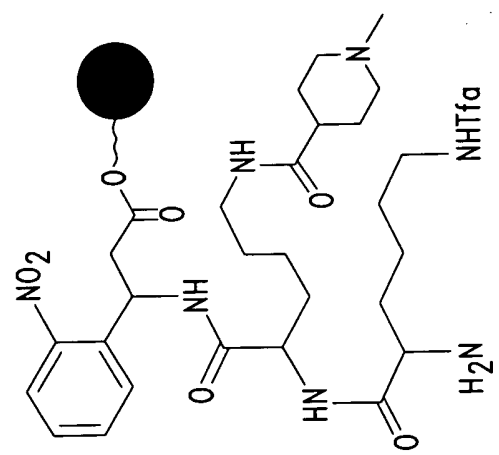
Express Mail No. EV020613648US

Docket No. 780068.418C3



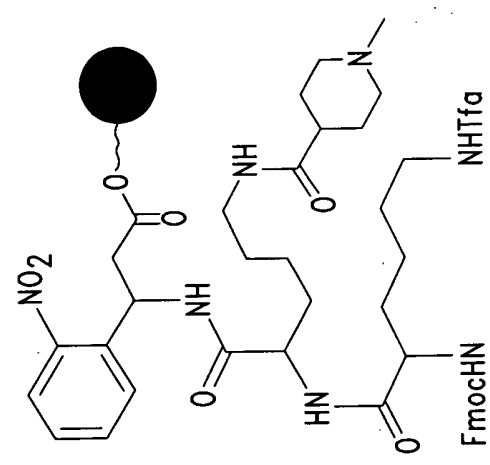
STEP F  
↓  
Piperidine

STEP G  
↑  
Fmoc-Lys(Tfa)-OH  
HATU, NMM

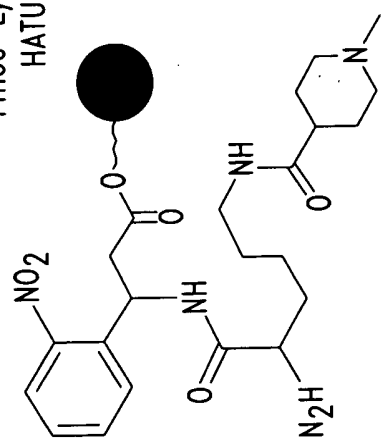


IX 1-36

STEP H  
↓  
1. Divide into 36 reactors  
2. Piperidine



VIII



VII

Fig. 8B

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventor(s): Jeffrey Van Ness et al.

Serial No. 10/000,467

Express Mail No. EV020613648US

Docket No. 780068.418C3

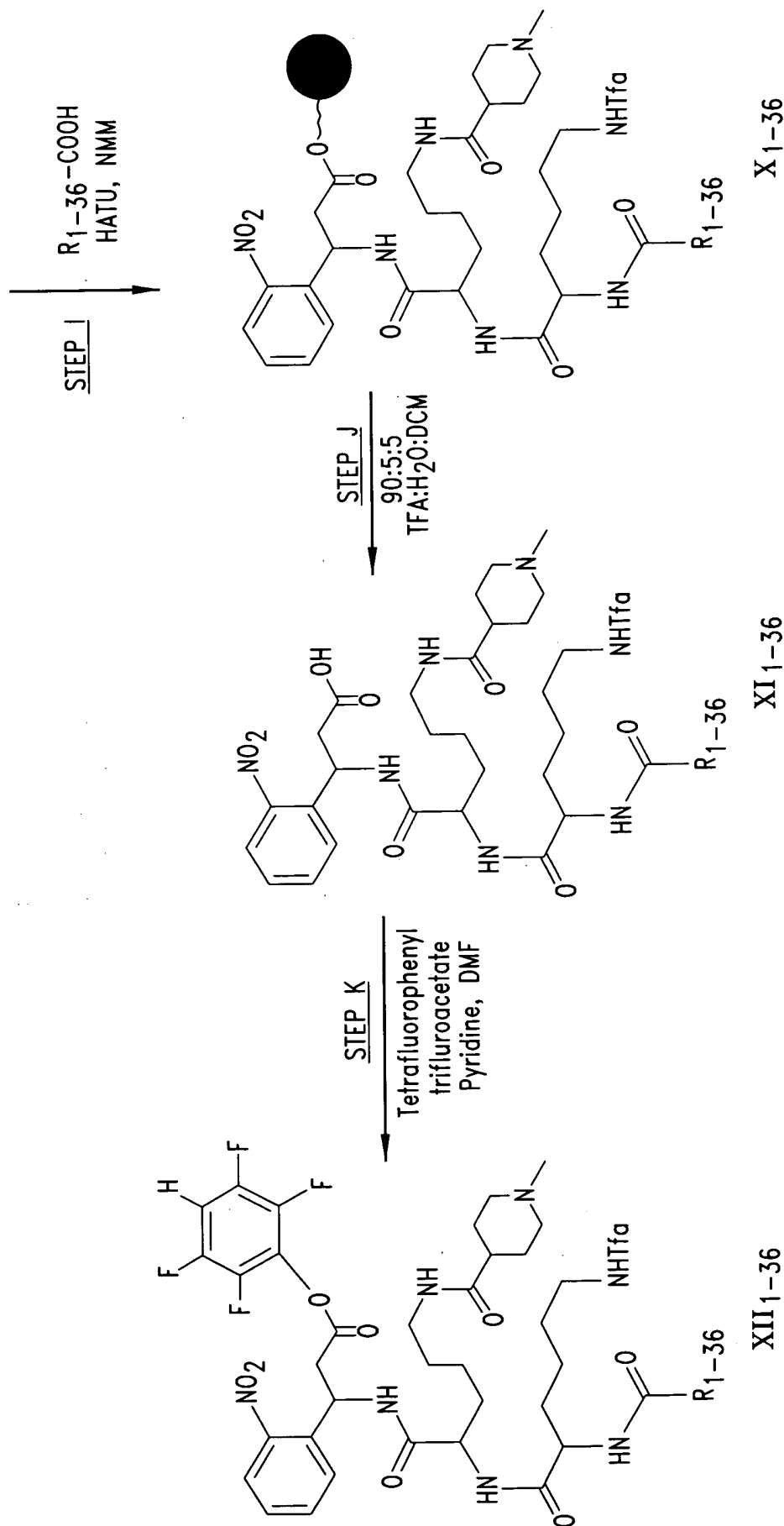


Fig. 8C



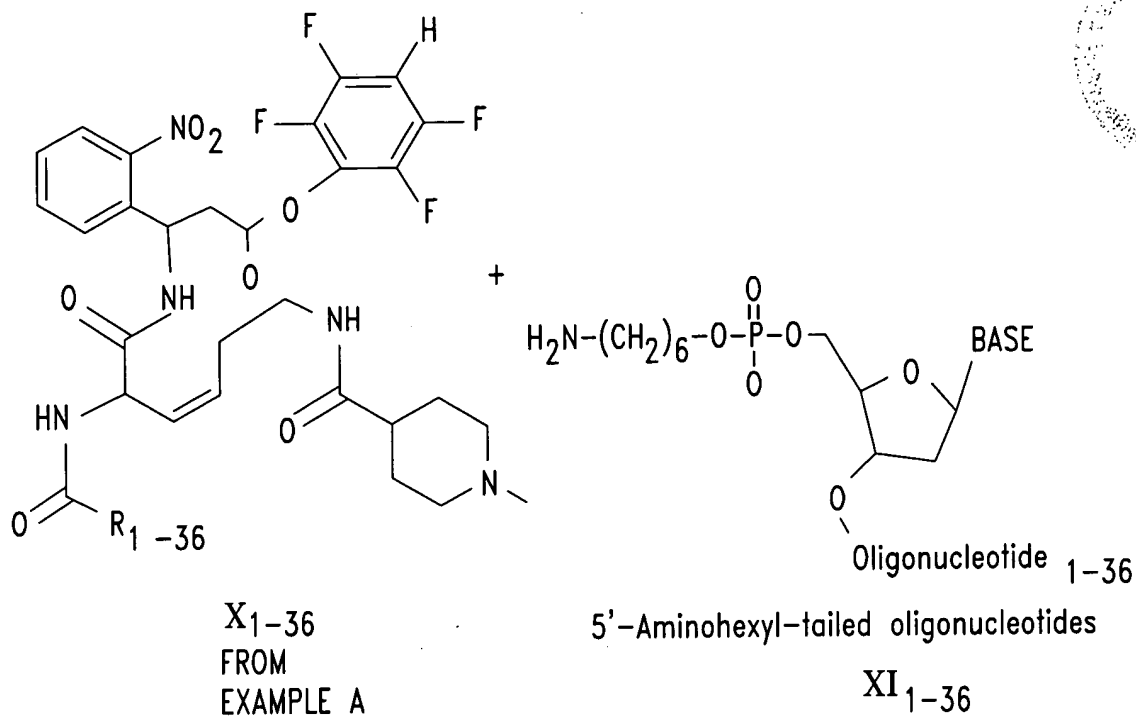
Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventor(s): Jeffrey Van Ness et al.

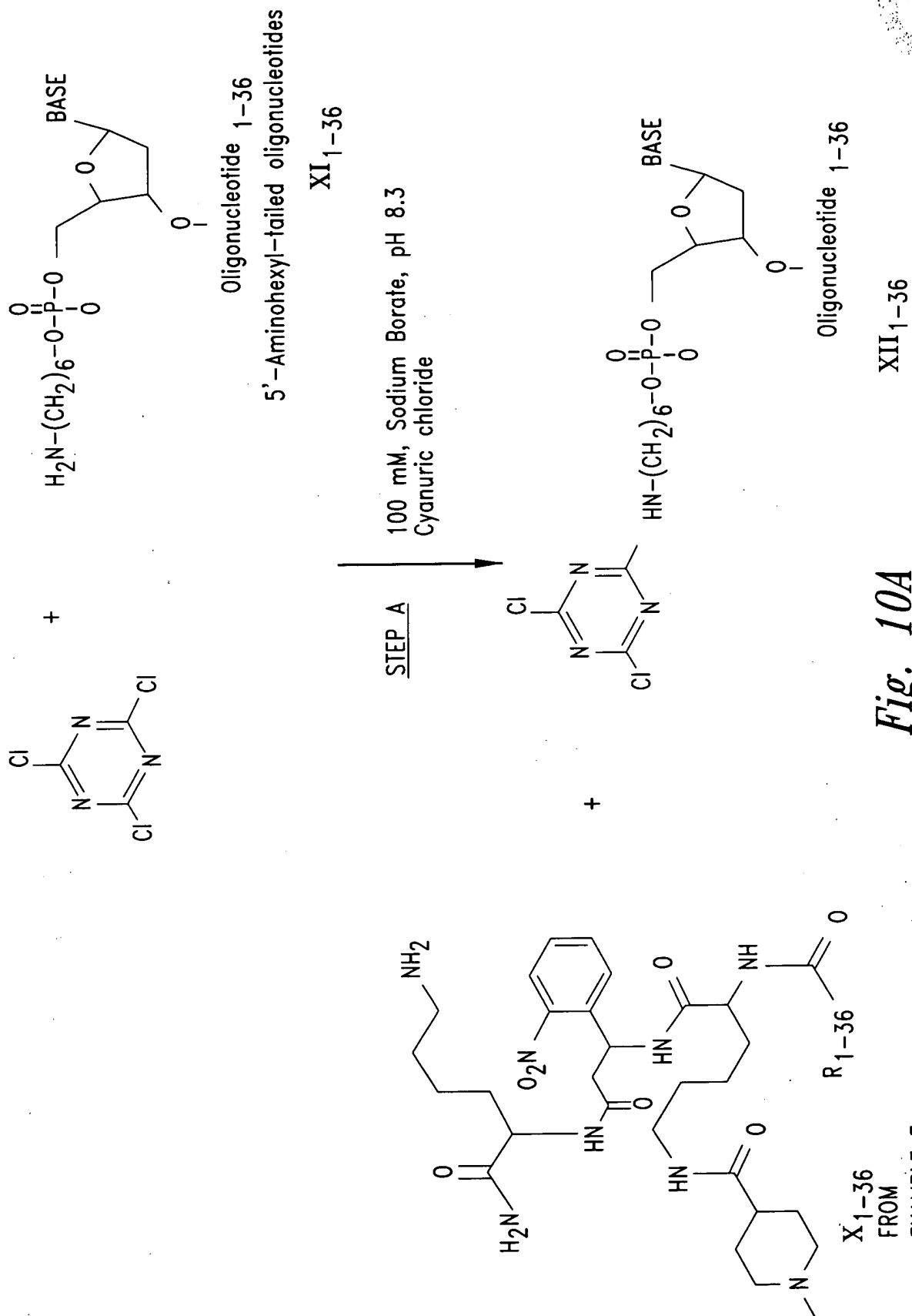
Serial No. 10/000,467

Express Mail No. EV020613648US

Docket No. 780068.418C3



*Fig. 9*



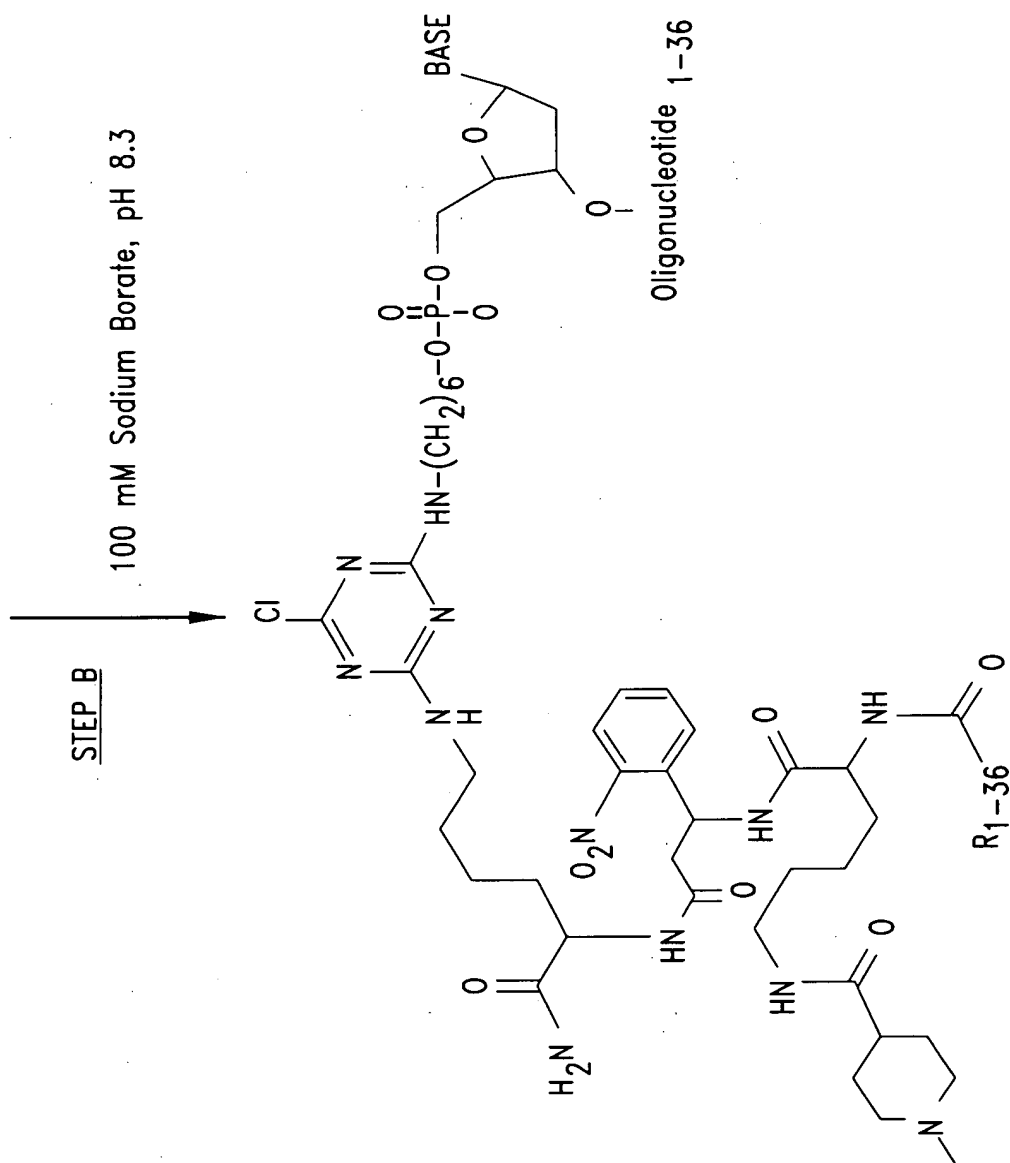
Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventor(s): Jeffrey Van Ness et al.

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Docket No. 780068.418C3



XIII 1-36

*Fig. 10B*

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

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Docket No. 780068.418C3

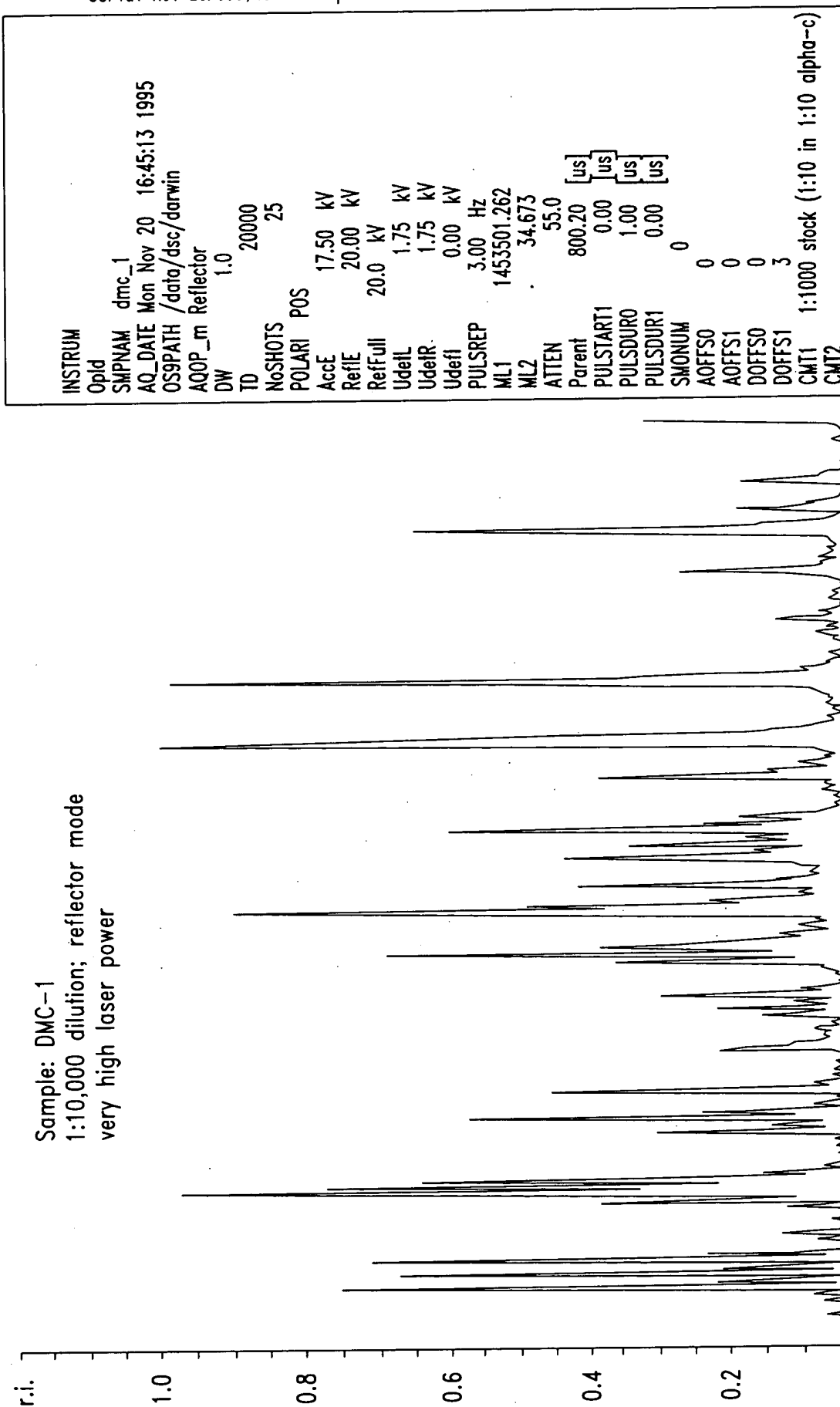


Fig. 11

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventor(s): Jeffrey Van Ness et al.

Serial No. 10/000,467

Express Mail No. EV020613648US

Docket No. 780068.418C3

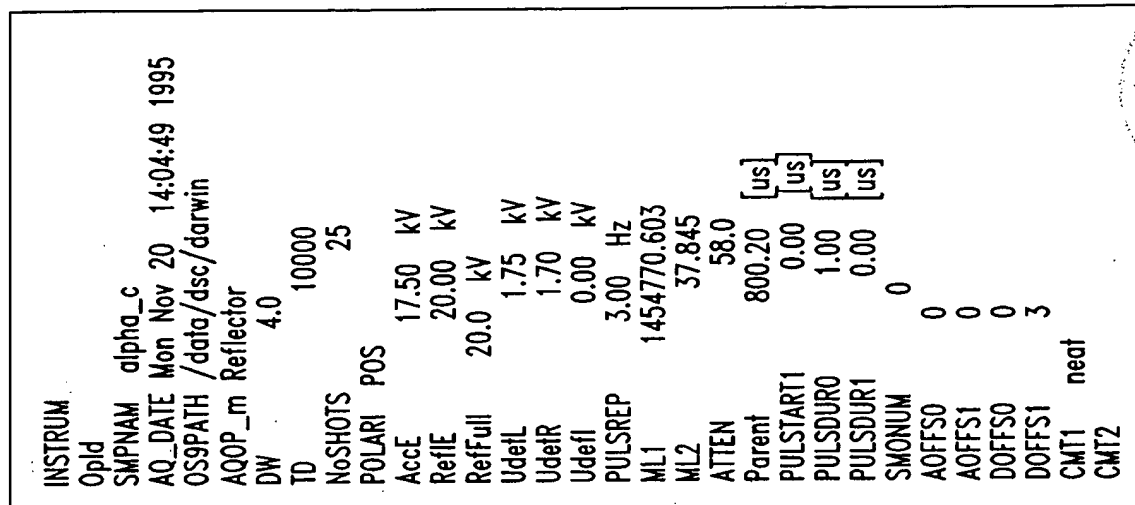


Fig. 12

Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventor(s): Jeffrey Van Ness et al.

Serial No. 10/000,467

Express Mail No. EV020613648US

Docket No. 780068.418C3

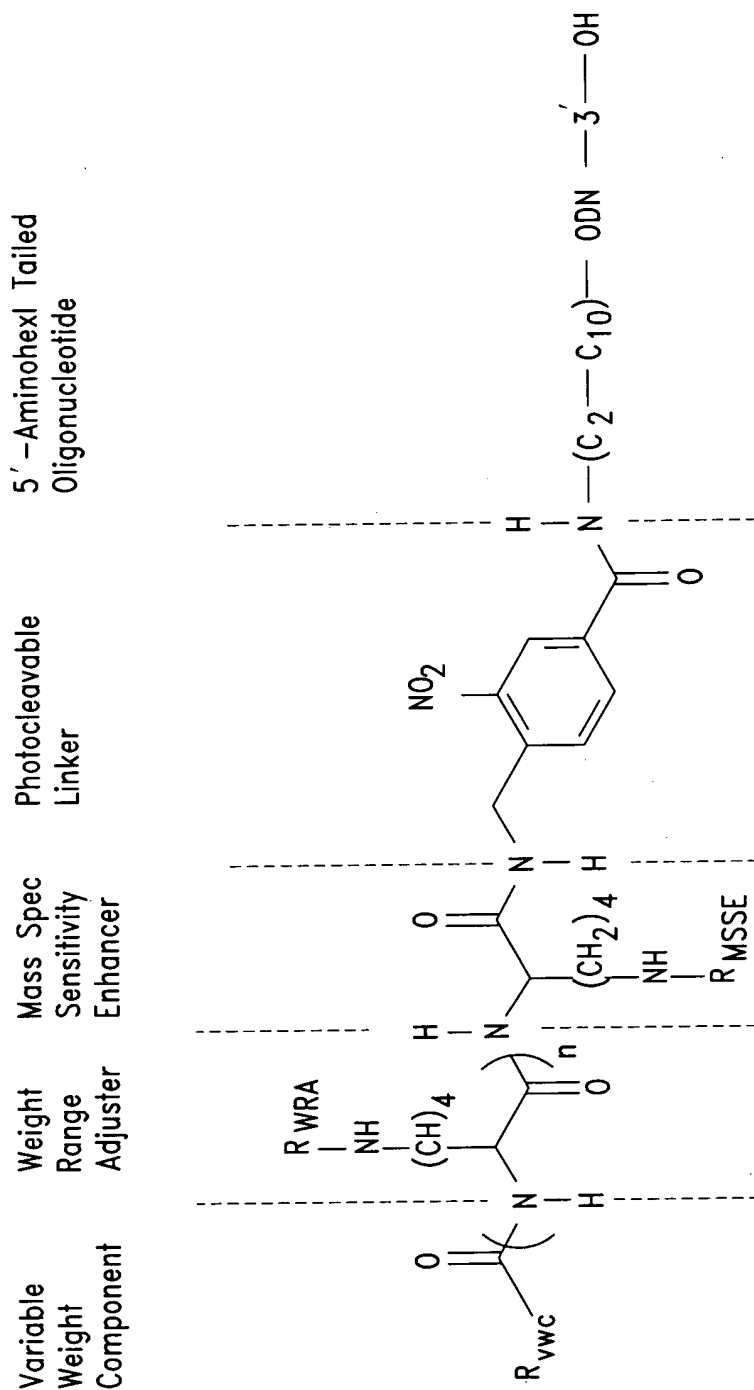


Fig. 13

# Array Interrogation Using MALDI Mass Spectrometry

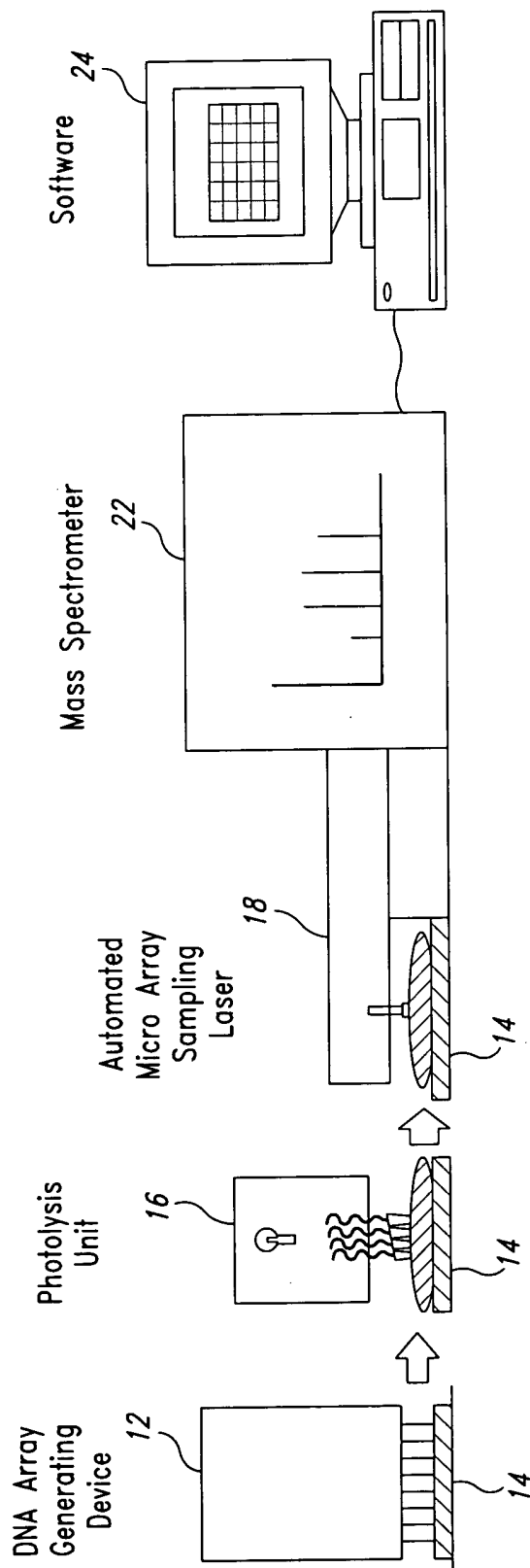


Fig. 14

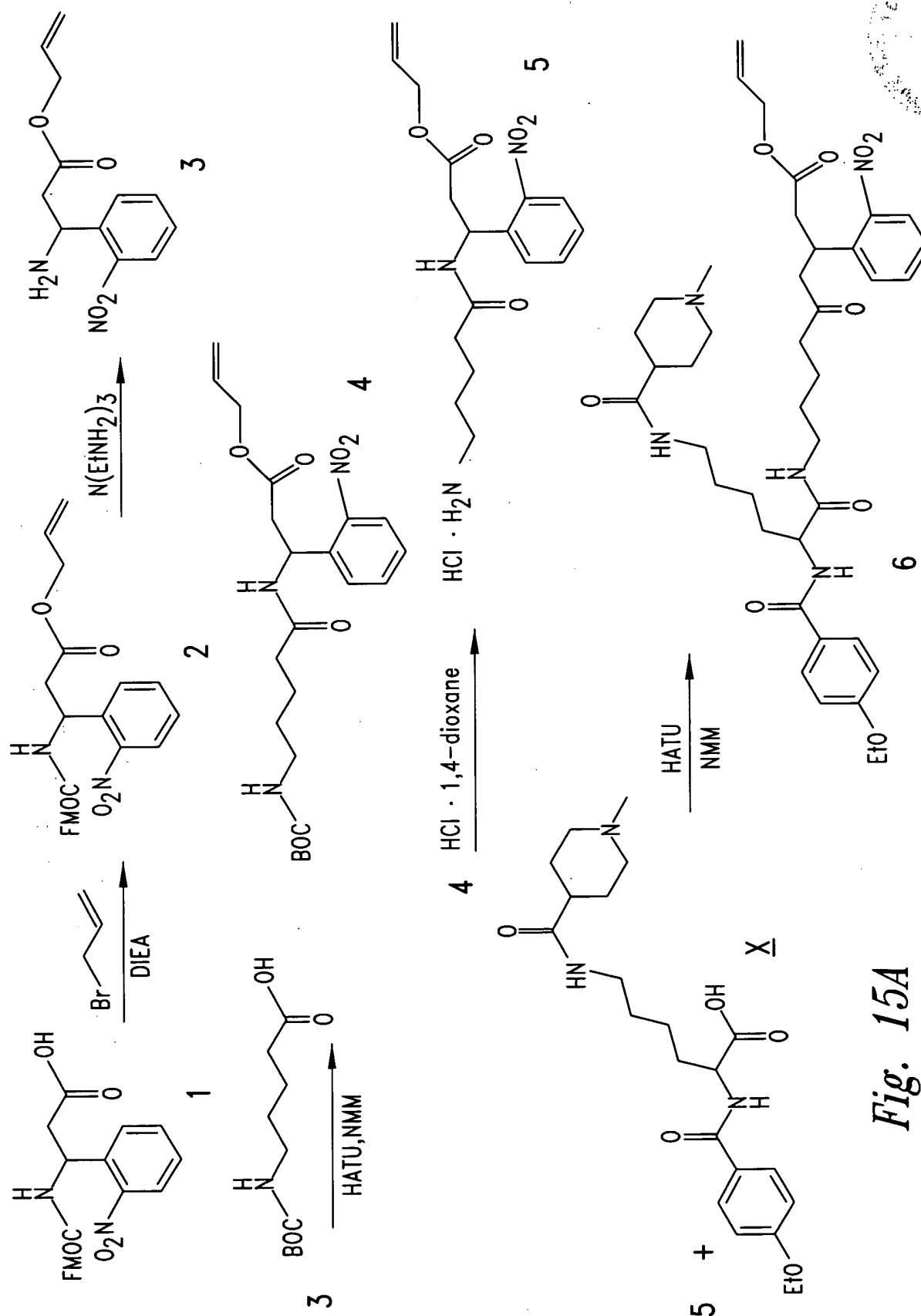
Title: METHODS AND COMPOSITIONS FOR ENHANCING SENSITIVITY IN THE ANALYSIS OF BIOLOGICAL-BASED ASSAYS

Inventor(s): Jeffrey Van Ness et al.

Serial No. 10/000,467

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Docket No. 780068.418C3



**Fig. 15A**



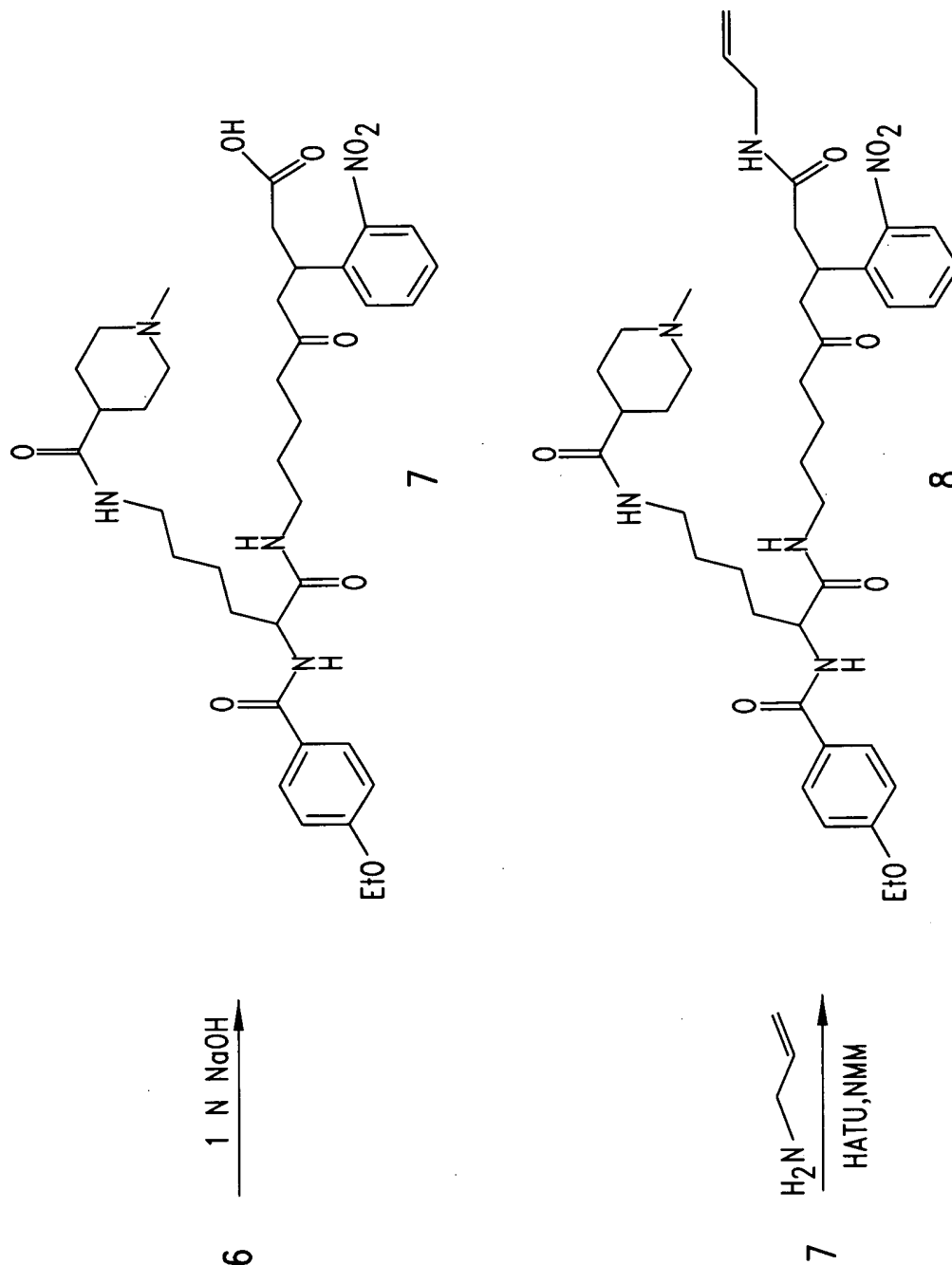
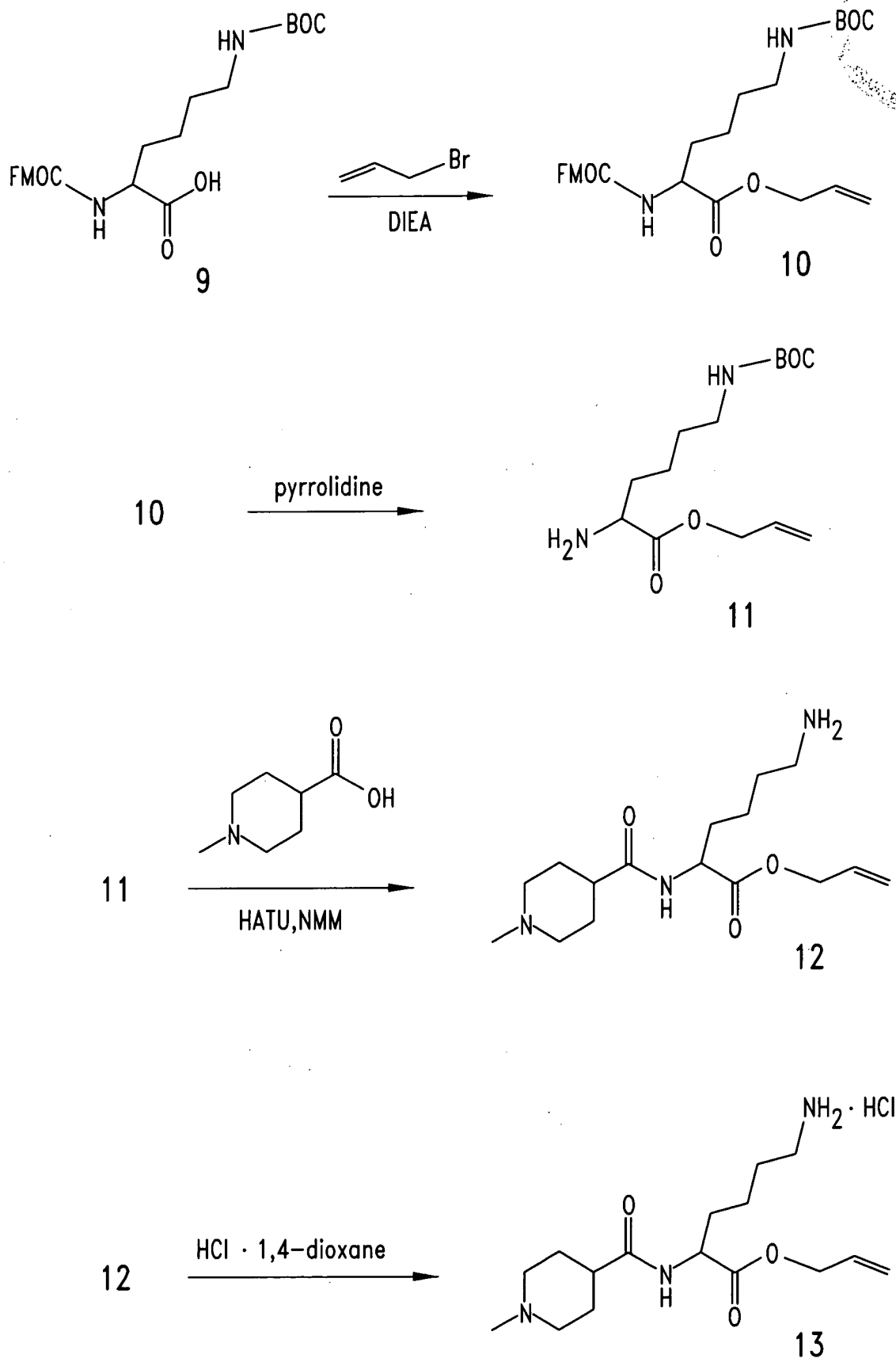
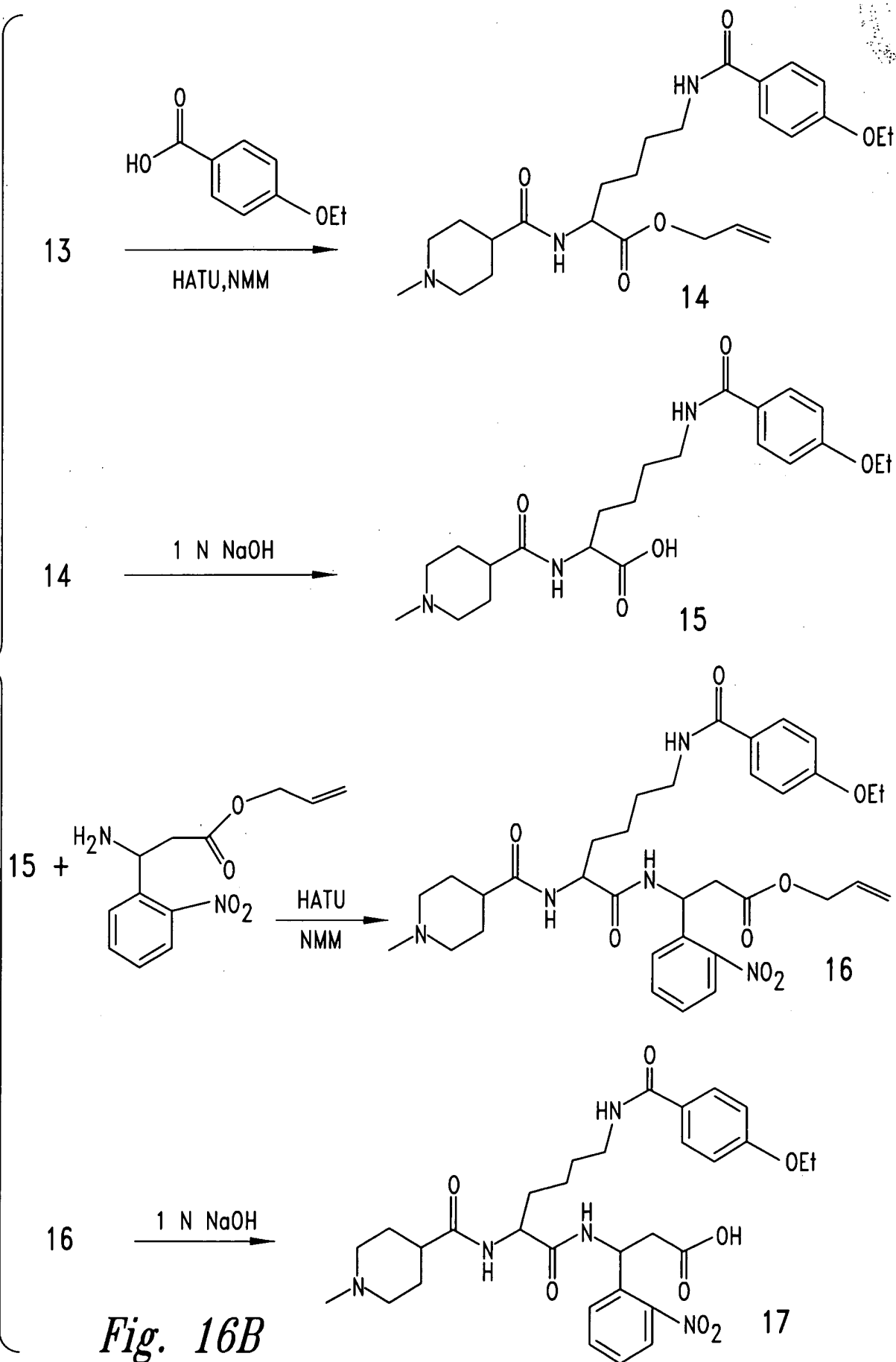


Fig. 15B



*Fig. 16A*



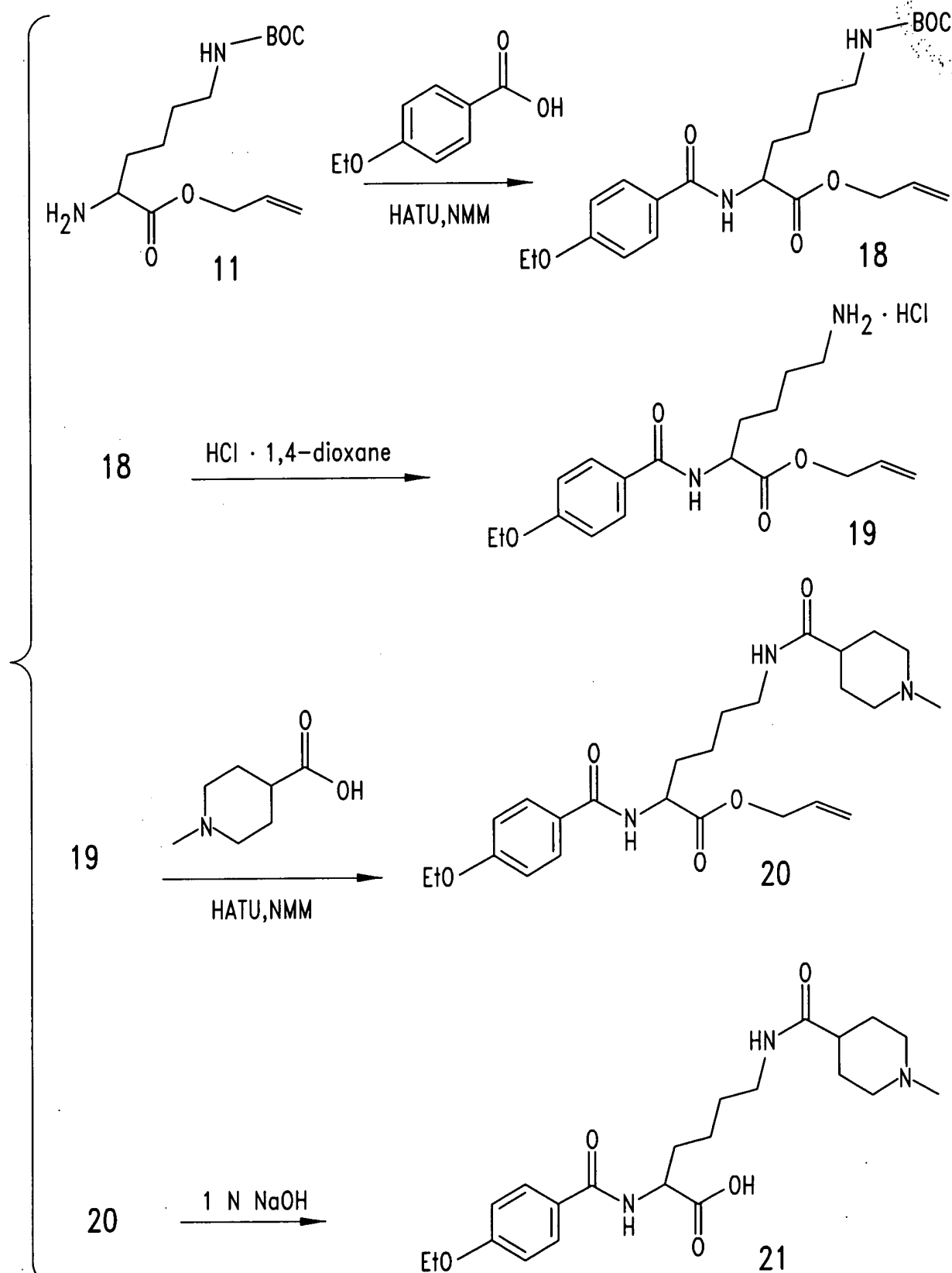


Fig. 17